DreamBox 7000 for Newbies 5.5
By Randandy

With Sections by Craniel, Maxgen, Philmakrakin, and Manxx.

Guide for the Correct Setup of the DreamBox 7000-S

Contents

Introduction

Congratulations on your new DreamBox purchase. You have already shown good judgment just by making this selection. The DreamBox is not “Plug and Play” but is also not rocket science. You should be familiar with simple Windows commands and be willing to become comfortable with Windows. This How To is designed to guide a beginner through all the

steps necessary to watch TV as well as mentioning more advanced features.

Your new DreamBox will come preconfigured with an older official image from DREAM Multimedia. This will work great for FTA (Free-To-Air channels) and with modification will allow viewing of encrypted channels. Most DreamBox owners use private images. This Guide is devoted to the use of the DBNA images, DreamBox of North America, but will also answer your general questions about other images.

First you will need to configure the DreamBox so you can communicate with it. A network is by far the recommended mode of communication with your DreamBox. The network actually isn't absolutely necessary since the DreamBox can be flashed via its null modem cable (not a standard serial port cable) but a network makes life much easier and is highly desirable. Much of the software used to program your DreamBox will require a network or a crossover cable. A crossover cable is only for those too cheap or lazy to setup a home network and connects directly from the DreamBox Ethernet port to your PC's Ethernet port.

Disclaimer: We, in no way, encourage or condone the usage of the DreamBox for illegal satellite viewing. This guide is for educational use only and is not intended to assist in the theft of satellite signals.

Section 1

Quick Start Guide

(for those of you who don't like to read directions)

1. Use DreamUp with the network cable and the null modem serial cable to load the official 1.09 image from: http://www.dream-multimedia-tv.de/Bereiche/Produkte/downloadscenter.php. Some people recommend flashing with erase.img to thoroughly erase your ROM before flashing with the oficial image.
There is no need to flash erase because DreamUp does it for you but it usually doesn't hurt anything if you do. If you have

already had a 1.09-based image on the DreamBox, you can skip this step. 1.09 updates the front processor.

2. Configure "Communications" in "Expert Setup" and make sure you have chosen NTSC and English so you can use DreamBox Control Center as described later in this document.

3. Perform the **root.cramfs** technique or use DreamUp again to install the new image. We like root.cramfs so we can hook our Box back up to the TV and complete the install. (For root.cramfs rename image to root.cramfs. Use DCC to FTP the root.cramfs to the /tmp folder. Go to "Settings" then "Expert Setup" then "Software Update" then "Manual Update" then follow directions on TV. It should automatically reboot; if not, unplug the box and then replug.)

4. When the screen lights up during reboot and it says "Dream Multimedia" press and hold the "UP" arrow until it says "flash erase" then you can release the button.

5. Configure "Communications" again as above.

6. Load the most recent DB Nation Service List (channel list) from our forum. Anytime you scan transponders you erase info in the service list. Dish Network transponders cannot be scanned so don't try. If the desired satellites are in the service list on this forum use it. If you need to add satellites, scan them in one at a time using automatic scan.

7. Setup ‘Satellite Configuration’.

8. Reload service list.

9. Reboot if you plan to tune FTA only, otherwise proceed to step 10.

1.

This will get you the free-to-air channels. If you plan to test other channels (which we don't encourage or condone your doing) then you need to apply keys. The

key files are SoftCam.Key and AutoRoll.Key for Radegast and Autoupdate, camd_cfg, Keylist, replace.list, and three nagra files for Evocamd. Newcamd uses seven nagra files and rsakeylist, keylist, and mappings. These file names are case-sensitive! Most images come with camd_cfg already present. Do not overwrite this file.

10. Loading the Keys

Error Messages:

If the screen says 'Service not Found' then you need to correct your setup of satellites in Satellite Configuation, FTP a new Service/Channel list to the DreamBox, replace your switches, or check your wiring.

If the screen is black without messages then you have an emu problem and need to check where you FTP'ed the "Key" files and/or reboot.

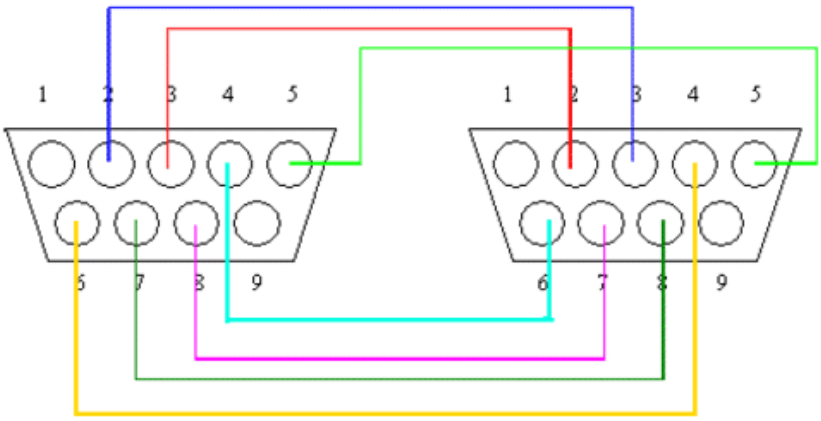
Section 2

Recommended Equipment and Software

Equipment:

1. Null modem cable (make your own if you want).

Null Modem DB9 cable : Dreambox Serial cable



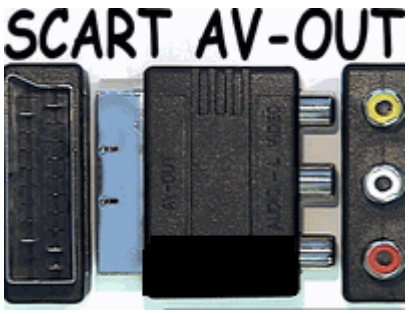
The DB9 side showed here is the one you solder the wires

2. Voltage transformer such as:

http://www.theelectroniccompany.com/detail~ID=12.html

3. SCART adapter if you are in North America since our TVs don't come with SCART connectors.

OR



4. LAN so you can connect to your Box from a PC and so you can get to the internet. You can use the crossover cable if you cannot get a LAN going.
5. A computer on the LAN with hard drive space on which to set up an NFS drive or a hard drive in the DreamBox itself. This is only necessary if you plan to record shows.

Software:

1. Newest DreamBox for Newbies file from this forum or from www.dreamboxfornewbies.org.
2. DreamBoxEdit (1.85 is the current release.)
3. DreamBox Control Center (DCC 2.4 is the current release.)
4. DreamUp (http://www.dm7000.de/)
5. Most current DB Nation Service/Channel list from the Channel List section of this forum.
6. Private image of your choice. (This Guide is written specifically for the DBNA images but can be used for any image with minimal modifications.)
7. You also need the latest Official image from the manufacturer. The most up recent image is the 1.09 image. "1.09" is likely to be the final image released by the manufacturer since the DreamBox 7000 is being replaced by the DreamBox 7020. This image also updates the front processor.

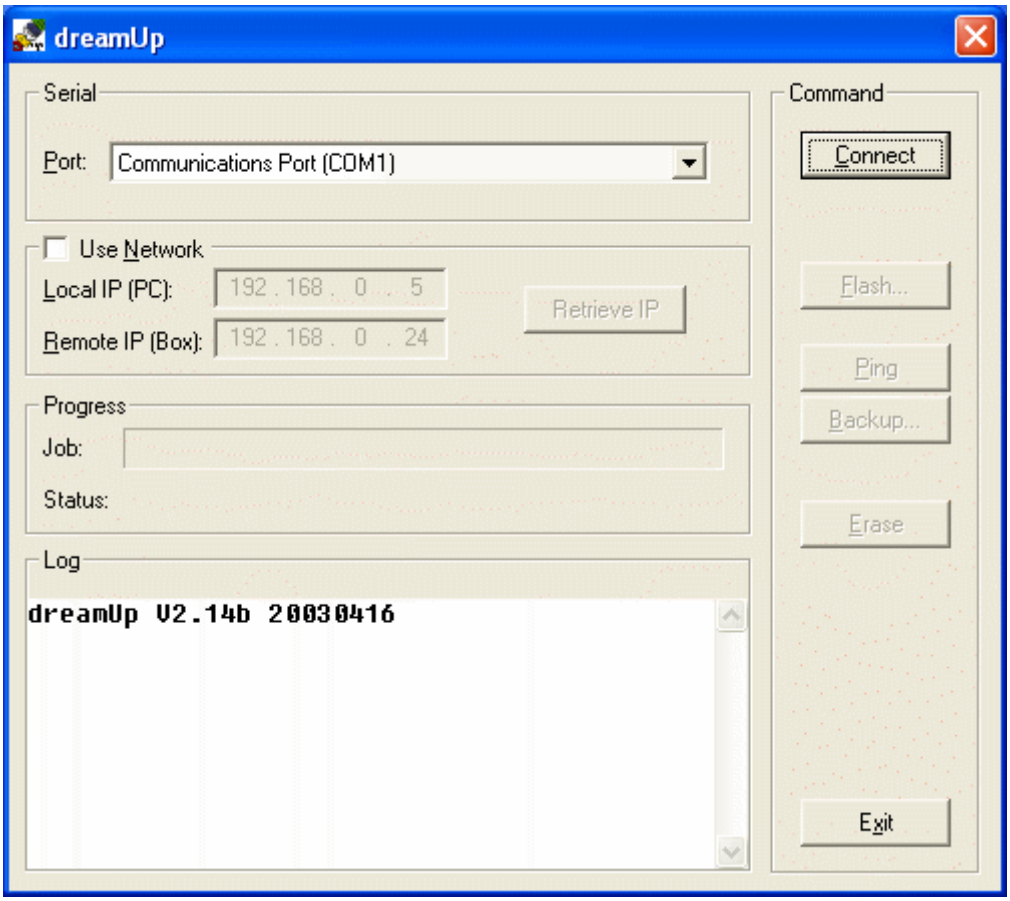
Section 3

Using DreamUp

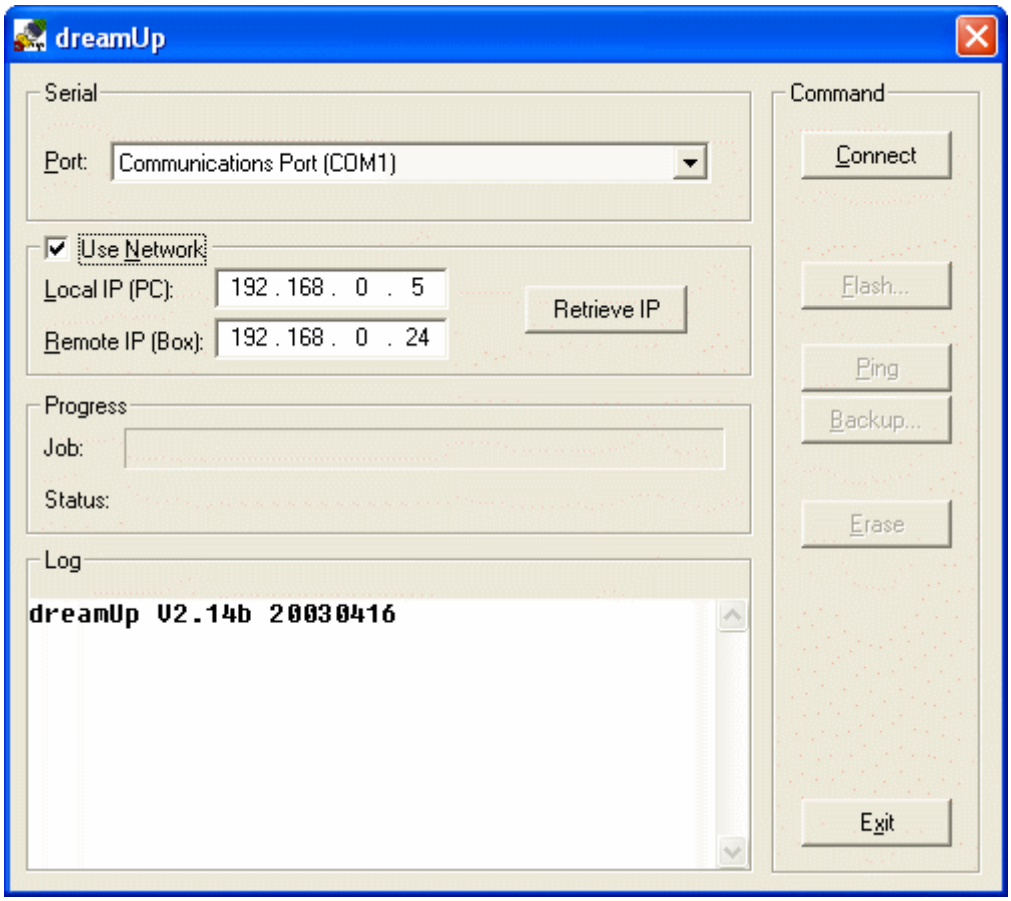
Purpose: DreamUp is used to put the initial factory image on your DreamBox and to fix a DreamBox that is frozen. When the situation seems hopeless, use DreamUp.

Procedure:

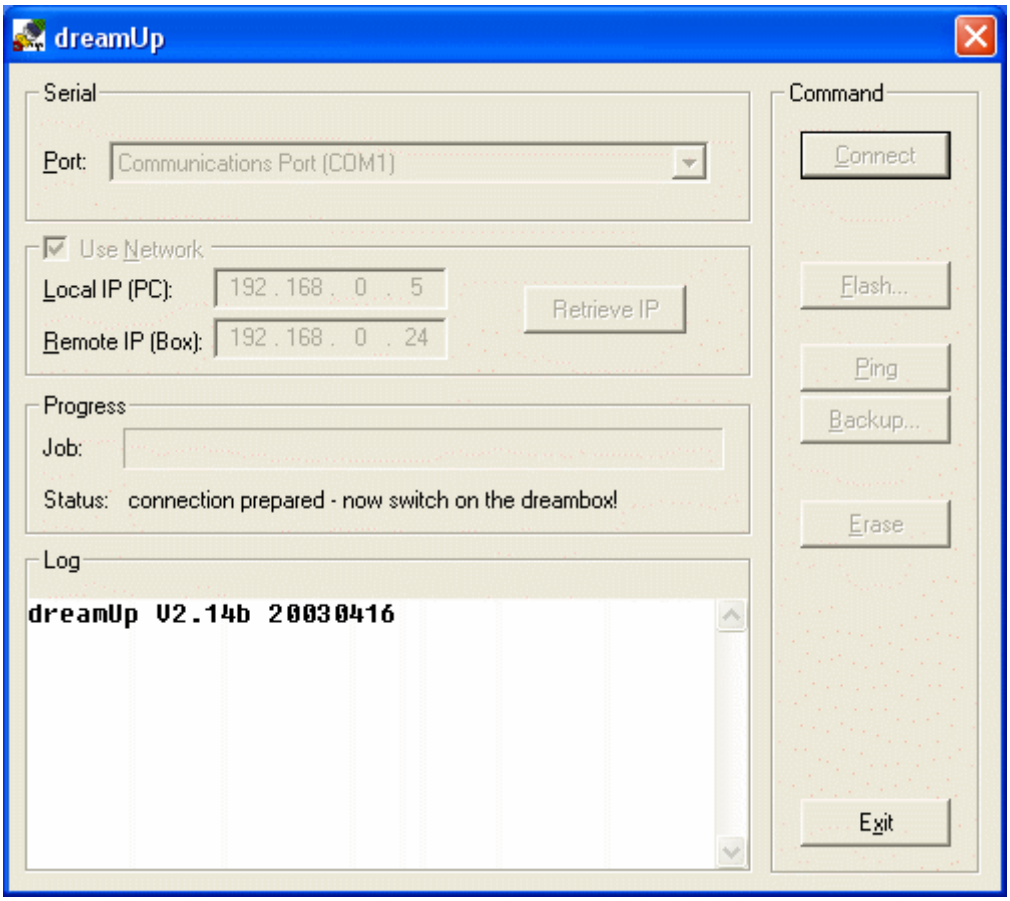
1. Unplug the DreamBox.
2. Connect a Null Modem Cable between the PC and the DreamBox. A plain serial cable WILL NOT work!
3. Start the DreamUp program on your PC and you will see the following screen:



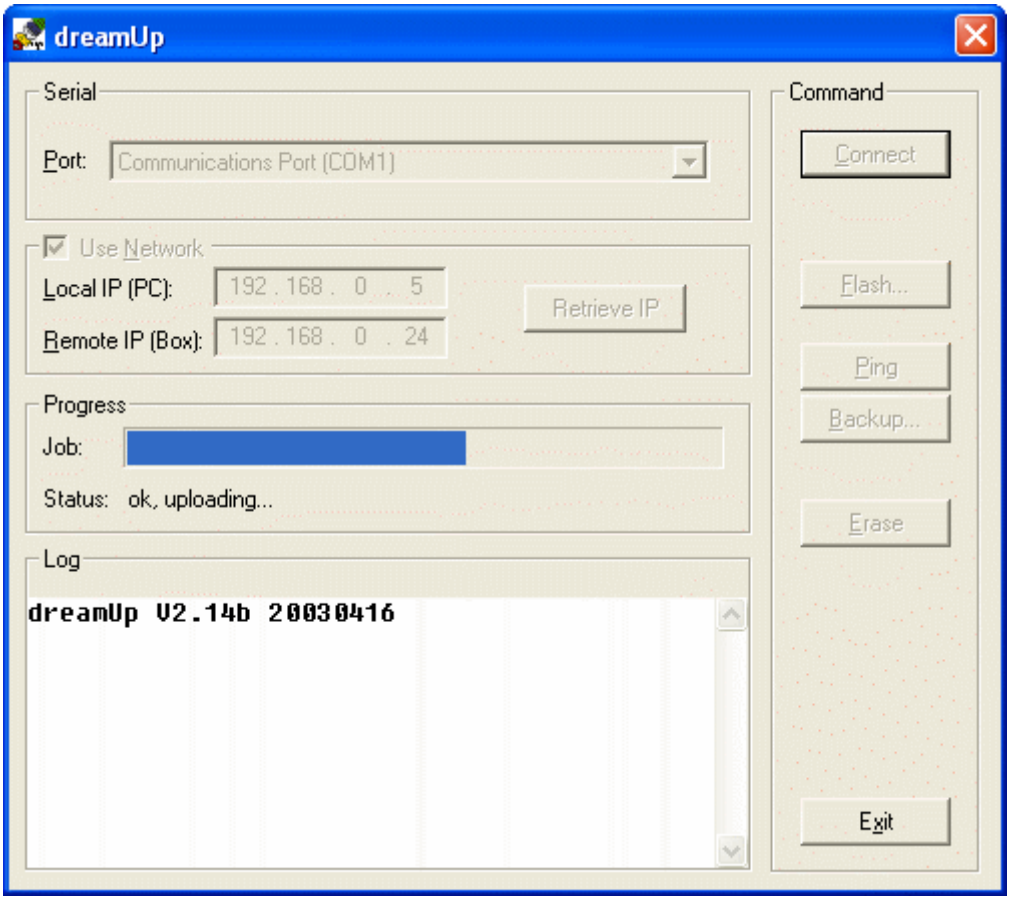
4. Uncheck the ‘Use Network’ box. (Unless you have a working Network Connection in which case you would leave the box checked, you would enter the two IP addresses that are needed, and make sure both the PC and the DreamBox are connected to the network with ethernet cables. The Network connection would be much faster.) Here is an example of what ‘Use Network’ would look like:



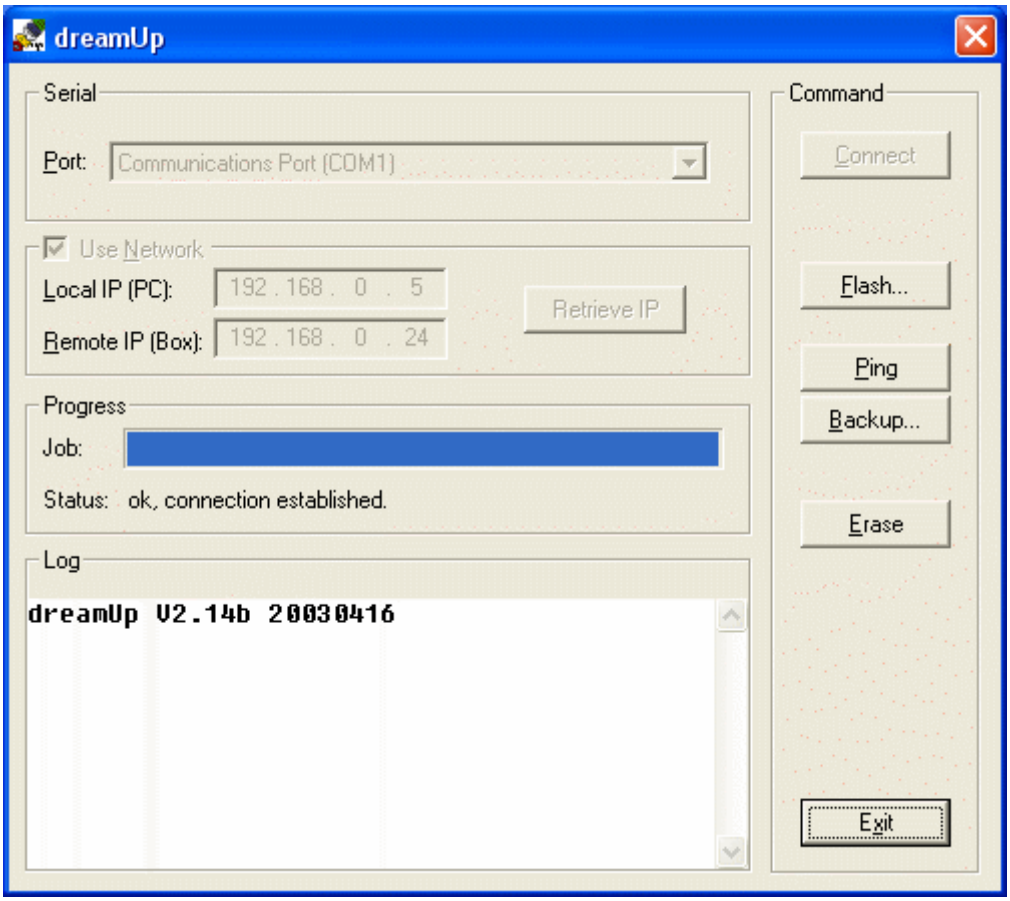
5. Click connect.
6. When it says to ‘switch on the dreambox’ please plug in the DreamBox.



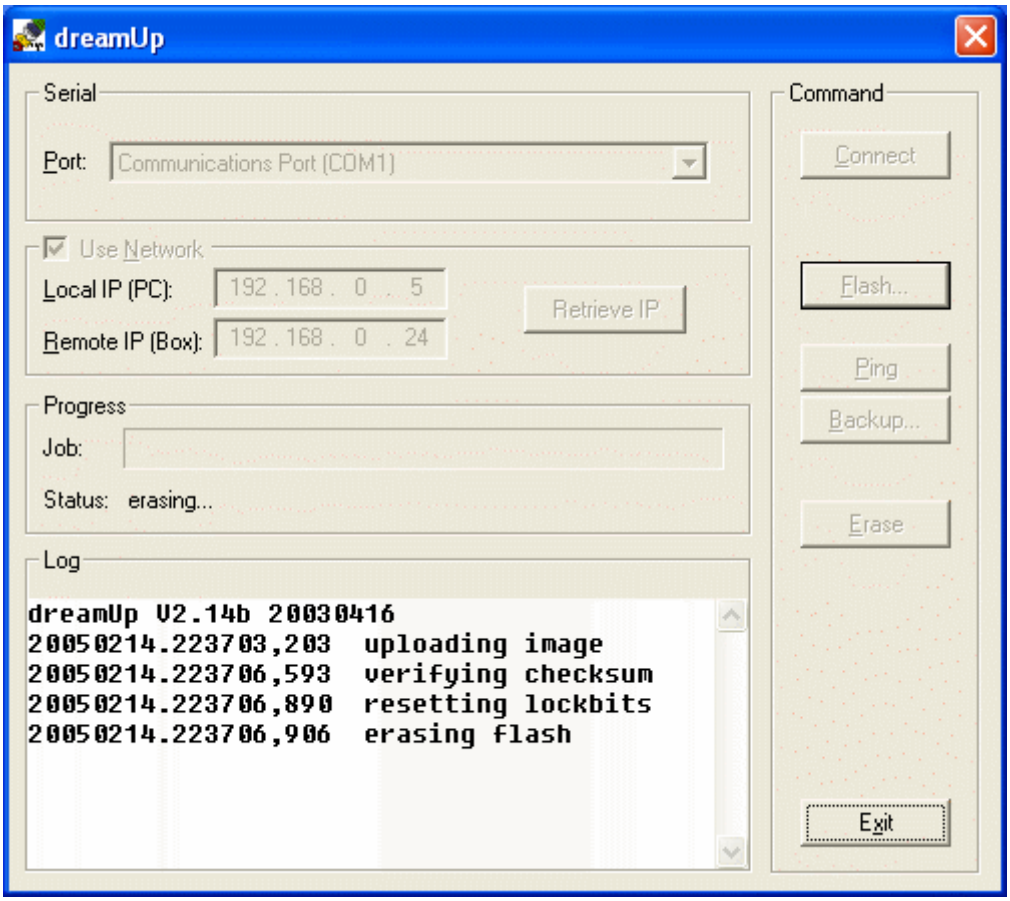
7. You will see this screen:



8. Eventually it will say ‘ok, connection established’.



9. Click ‘Flash’.
10. Browse to the image of your choice.
    Right now you need the factory image so you should look for ‘**rel109.img**’.
11. As the process continues you will see this screen:



10. Success is confirmed by:

Note that the flash erase is done automatically with this program after which the official image that you chose is flashed.

- This procedure can be used in place of root.cramfs, described later, to flash private images like the DBNA images.
- Use this anytime the DreamBox freezes.

Section 4

Initial Set-Up

After turning on your DreamBox for the first time you should see this screen:

1. Use your remote to change from the default, which is PAL, to NTSC. You will also be asked to select your primary language next, which will be English for most of us.

2. You will see the DiSEqC Configuration screen next but we are not ready to do this yet so press the "Exit" button several times.
3. Now press the "Menu" button on your remote and find "Settings" then "System Settings" and finally "AV Settings" and choose the correct configuration for your TV. i.e. RGB, SVideo The incorrect choice may give you black and white viewing.
4. Press the "Up" arrow on the remote to go to "Time Settings" and press "OK". Choose Time Zone and choose yours. Press the **Green** button or arrow down to the "save" box and press "OK" to save your time zone. You will be asked if you want to "Restart Now" and you will press "OK" to do so.

Section 5

Configuring Your Network

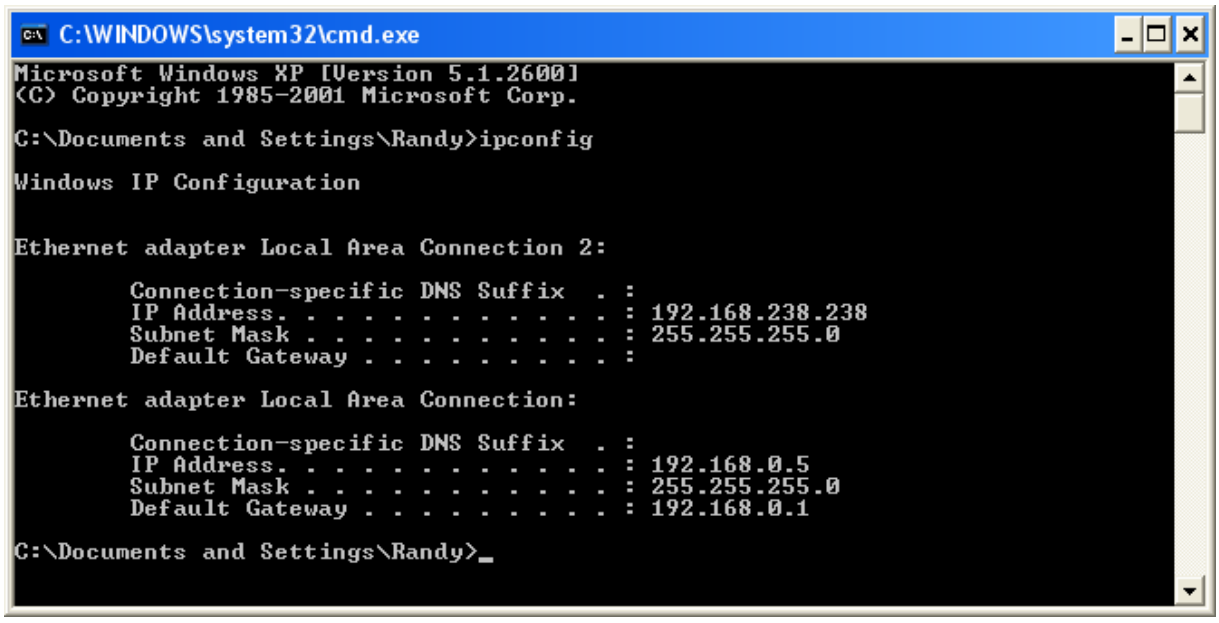
Equipment:

1. Router or Switch.
2. PC with NIC (ethernet card).
3. CAT5 cable connecting the PC to your Router and your DreamBox to the Router. You can use a wireless LAN/Bridge in place of the hard-wired system if you

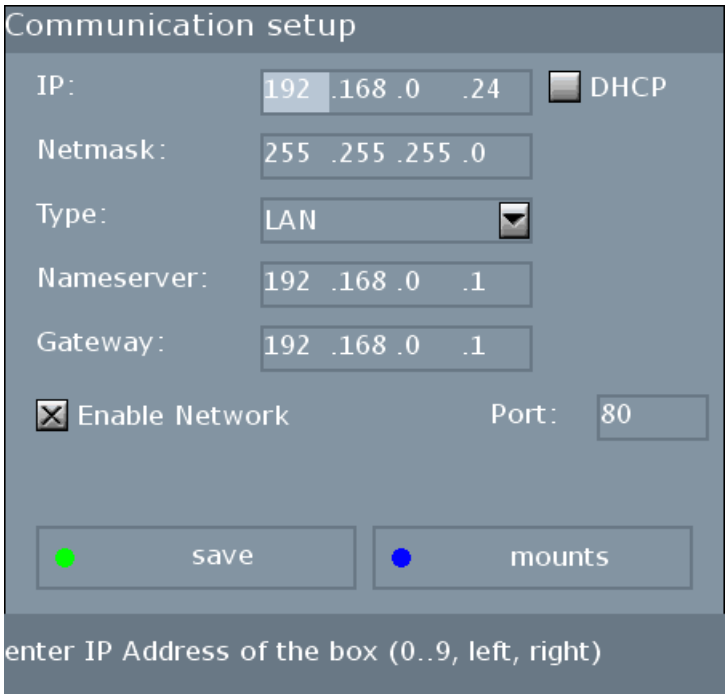
prefer. (A crossover cable also works for those too cheap or lazy to construct a home network.)

Procedure:

1. Determine your Network settings.
    a. You will need the IP address of your Router and decide what IP you plan to use for the DreamBox. We recommend using 192.168.0.24 for your DreamBox since some software comes preconfigured with that IP.
    b. Your DreamBox and Router must have the same numbers in the first 3 sections of their IPs. i.e. If your Router is 192.168.0.1 use 192.168.0.24 for your DreamBox. If the router is 220.120.34.6 then use 220.120.34.24 for your DreamBox.
    c. If you are not sure of your network settings you can find them from your PC. Go to Start and click "Run" and enter "cmd" in the blank without the quotes. At the prompt, enter ipconfig.
        IP Address is the address of the PC you are on.
        Subnet mask you will use later.
        Default Gateway you will also use later. (This should be your router IP also.)



2. Press the “Menu” button to bring up the toolbar at the bottom of the screen. Look for the setup icon  (gears) and press OK. Go to “Expert Setup” then “Communication Setup”.
3. Here you will enter the addresses for your network so you can communicate with the DreamBox from other PCs and so you can get to the internet from the DreamBox if needed. This can also be setup as DHCP. If you plan to do this, you shouldn’t need to ask how.



DHCP: Uncheck this box or you won’t be able to fill in the following blanks.
IP: Is the IP of your DreamBox. Assign it as described above. Usually, 192.168.0.24.
Netmask: Just about always 255.255.255.0.
Type: LAN
Nameserver: Is usually the IP of your Router. Usually 192.168.0.1.
Gateway: Is usually the IP of your Router. Usually 192.168.0.1.

Be sure to check the “Enable Network” box and select save by pressing the **Green** button or highlighting “save” and pressing “OK”.

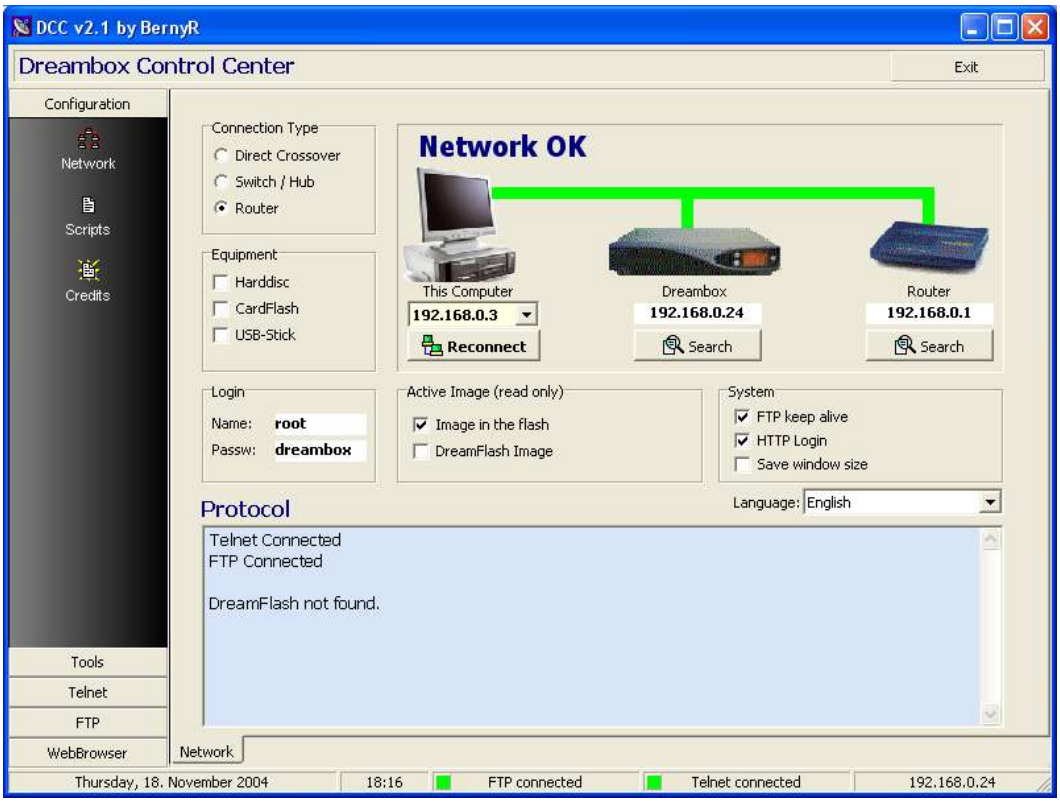
Section 6

Installing a Private Image

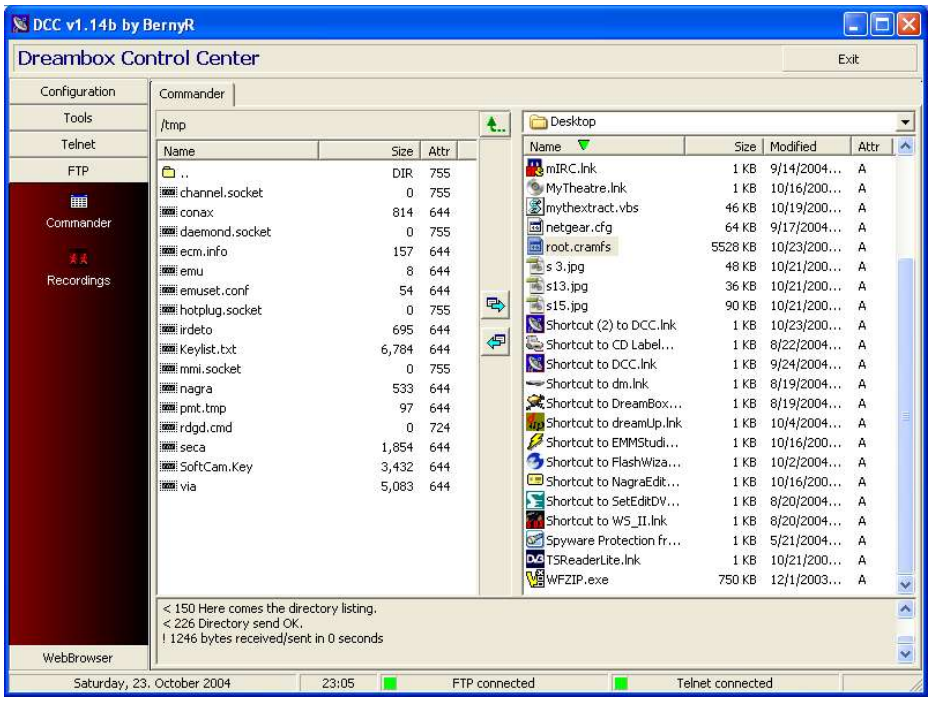
Once you have the box networked, you are ready to install one of the more popular private images. We recommend the latest DBNA image from our forum but any image will work. Each has different features that you may like better. When we say “Private Image”, we mean one of the images written by someone other than the factory. These images may or may not come with an emu plugin. An emu plugin is the program that decodes encrypted signal. The emu needs “keys” to function.

Procedure:

1. Download the image of your choice.
2. Rename your image to root.cramfs using usual Windows’ procedure.
3. Use the latest version of DCC (Dreambox Control Center) to connect to the DreamBox.
    a. To set-up DCC you need to enter your IP addresses determined above. Usually, you can just type the IPs of the three devices in under their respective icons. Occasionally, you must click the “Search” tab under the Dreambox icon and under the Router icon to allow the input of the IP. There is another “Search” box you must click on the next dialog box to begin the search. Highlight and “Accept” the correct IP. Make sure you have turned off any internet security program and any firewall interference.
    b. Click “Router” under “Connection Type”.



c. Click on the FTP tab at the left border of DCC.
d. Double click on “tmp” on the DreamBox or left side of the transfer screen.
e. Find root.cramfs on the PC or right side of the transfer screen.
f. Highlight root.cramfs and press the leftward-pointing arrow to transfer that file to the DreamBox.



4. Now take the remote and get back into the Settings menu.

   Go to Settings  then Expert Setup then Software Update and into Manual Update.
5. Follow the onscreen directions:

6. The LCD panel will display a message that the DreamBox is “Erasing Software” and then “Updating Software” then it will reboot. It takes several seconds to reboot. Unplug and replug the DreamBox if it freezes.

IMPORTANT!!!

After flashing, when the DreamBox starts to boot and the LCD screen says “Dream Multimedia”, press the UP

button on the receiver firmly and hold until the LCD screen displays the message "flash erase".

Once completed, the box will reboot.

If the DreamBox freezes at this point, press all 3 buttons to reset it or just remove the power cable from the DreamBox and wait 10 seconds before plugging it back in.

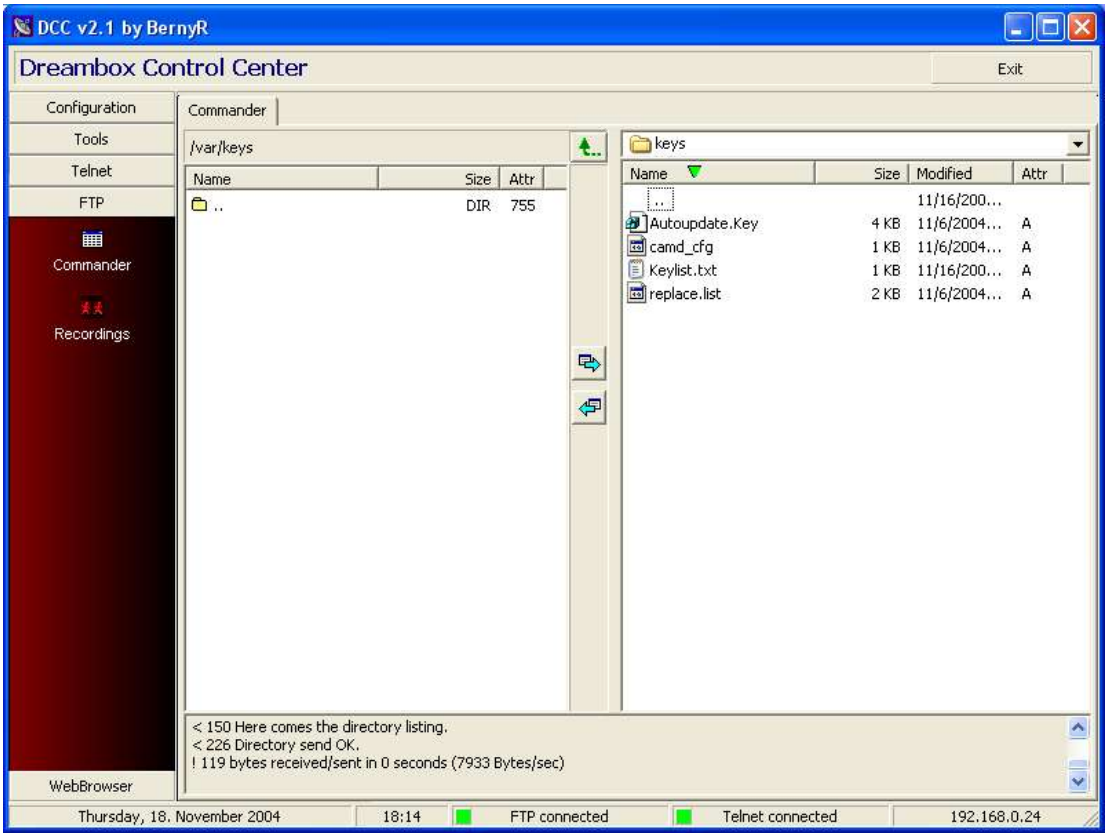
7. Reconfigure your Network settings as described in Section 5 above.
8. Recheck your AV settings to make sure they haven't changed.
9. Select Time Zone and set it for your location.

Section 7

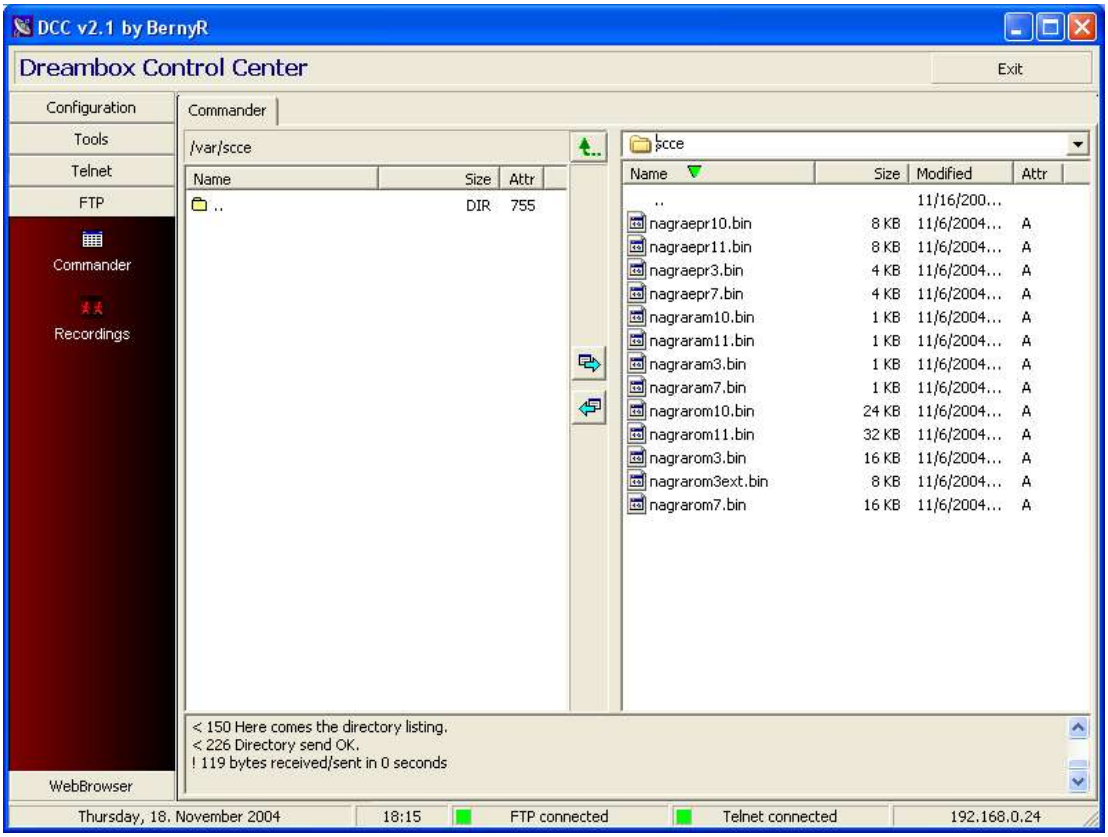
Using DCC to Load Keys

Procedure for images with **Evocamd**:

1. Download **Autoupdate.Key, Keylist.txt,** and **replace.list.**
2. Start DCC.
3. Click FTP tab at left.
4. Browse through the right side pane until you find the three key files. (**camd_cfg** should already be there.)
5. Double click on "var" on left side and then double click on "keys" to open /var/keys.



6. Highlight one of these four files and click the leftward pointing arrow between the DreamBox and the PC pane to send the file to the DreamBox.
7. Repeat with the other files.
8. Make sure the capitalization is correct; it does matter.
9. Then press the upward pointing green arrow located at the top of the area between the left and right panes. This will take you up one file hierarchy to "/var". Now double click on "scce" to open /var/scce.
10. Find the 13 "nagra" key files on your PC in the right pane of your DCC.



11. Highlight one of these three files and click the leftward pointing arrow between the DreamBox and the PC pane to send the file to the DreamBox.
12. Repeat with the other files.
13. Make sure the capitalization is correct; it does matter.

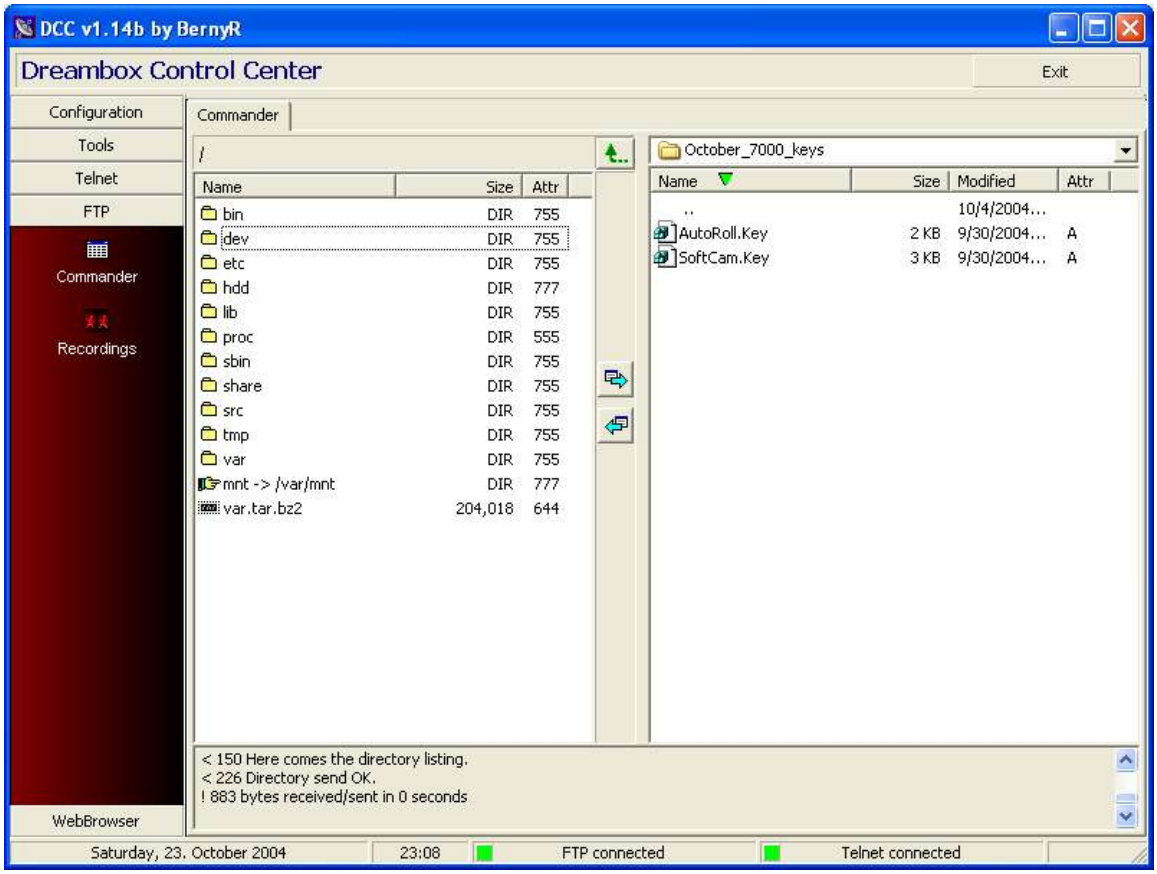
Procedure for images with **Newcamd**:

1. Use DCC as described above and transfer the **keylist, rsakeylist, mappings, nagraepr10, nagraram10, nagrarom10, nagraepr3, nagraram3, nagrarom3, and nagrarom3ext** to the /var/tuxbox/scce folder not /var/scce. You can transfer them all if you like but the "7"s aren't used right now. This **keylist** is different from Evocamd's **keylist.txt**. Newcamd does not use /var/keys at all.

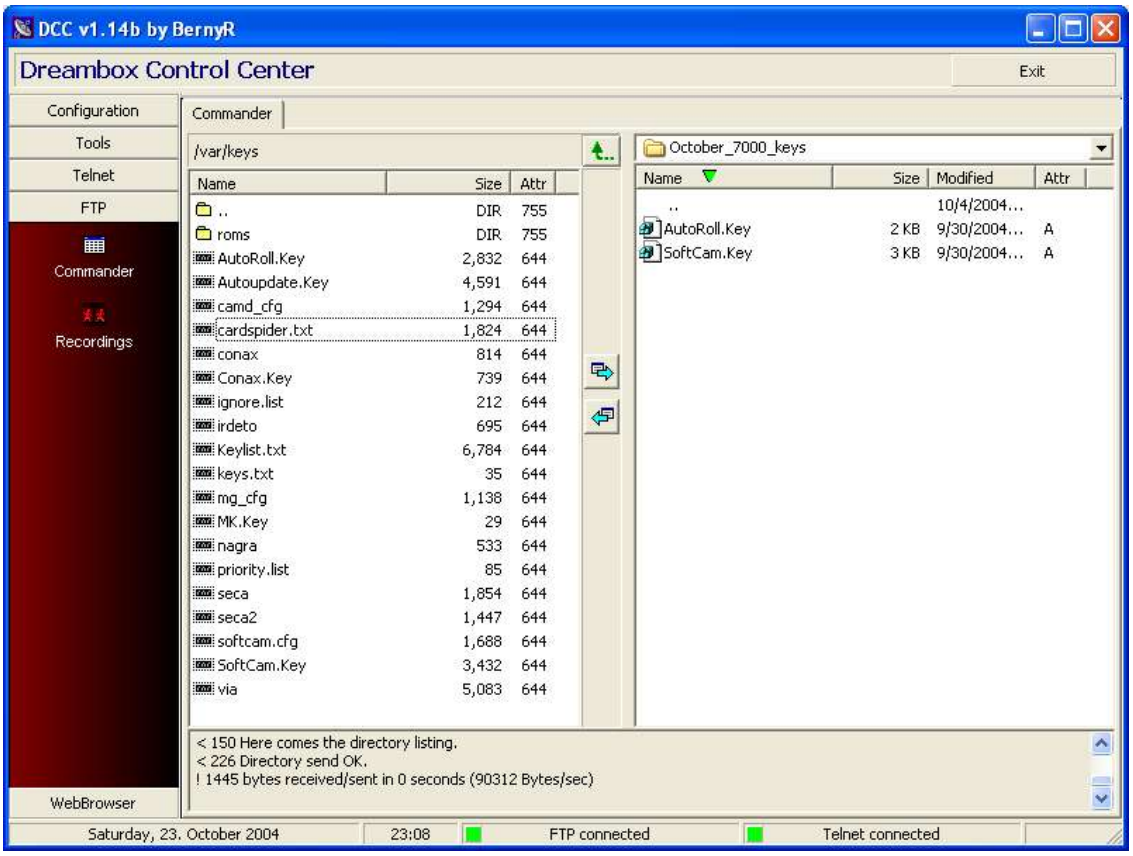
Procedure for images with **Radegast**:

1. Download **SoftCam.Key** and **AutoRoll.Key**.

2. Start DCC.
3. Click FTP tab at left.
4. Browse through the right side pane until you find the two key files.



5. Double click on “var” on left side and then double click on “keys” to open /var/keys.



6. Highlight one of the ".Key" files and click the leftward pointing arrow between the DreamBox and the PC pane to send the file to the DreamBox.
7. Repeat with the other file.
8. Make sure the capitalization is correct; it does matter. (SoftCam.Key and AutoRoll.Key)

Section 8

Uploading Service Lists and Satellite Settings

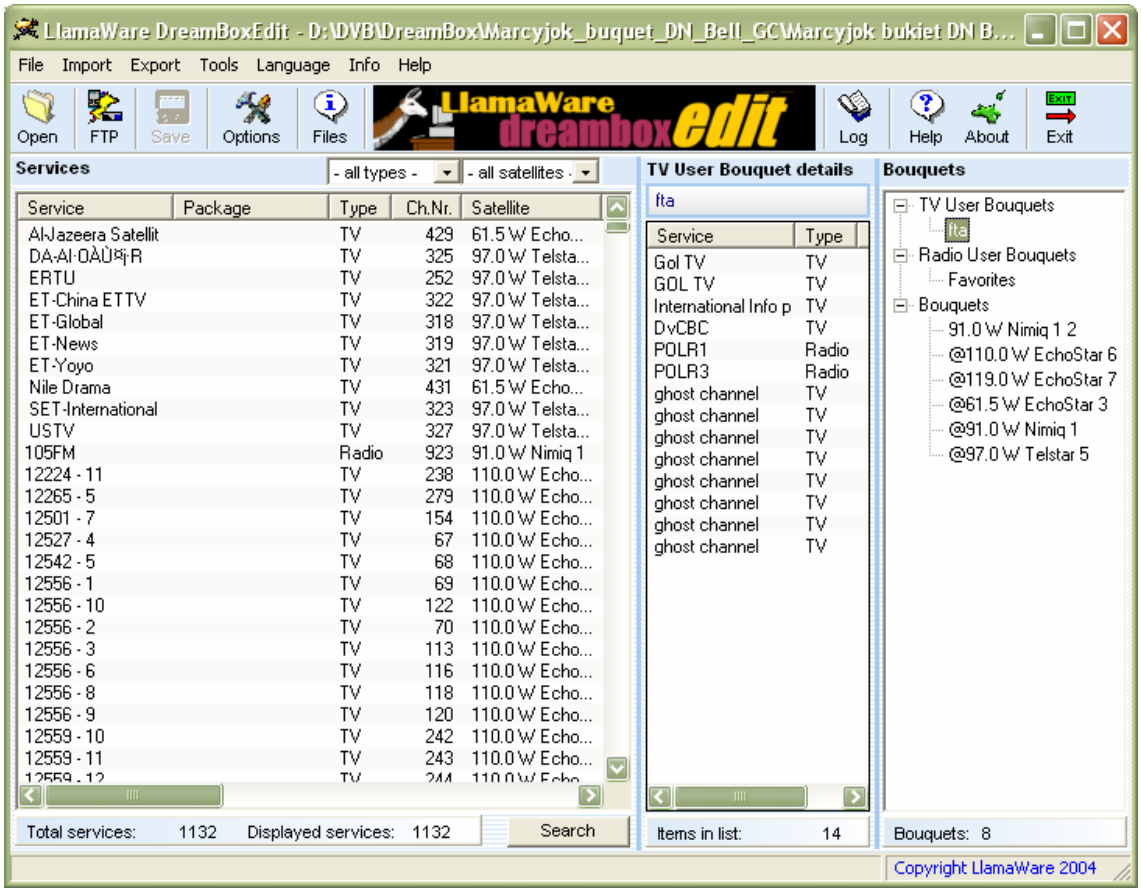
Your DreamBox will be loaded with a **satellites.xml** file from Europe so you will not be able to select the North American satellites until you have replaced that file. This file is part of the Service List. The Service List, or Channel List as most people refer to it, contains all of the transponder and channel information necessary to tune channels. The current DBNA image is not capable of scanning Dish Network satellites correctly so we use other equipment to scan satellites and make service lists. The newest DB Nation Service List will always be in the forum under Channel Lists. Once you scan a satellite with the DreamBox, it automatically replaces the

information that was there. In other words, it DELETES the service list information for that satellite.

The uploading and backing up of these settings is performed with a program called DreamBoxEdit as well as others that are available. DreamBoxEdit allows you to make changes to your service or channel list manually as well as allowing you to use a stock list from our forum. This program allows you to make lists of favorites called “Bouquets”. You will backup your Bouquets and Services with this program.

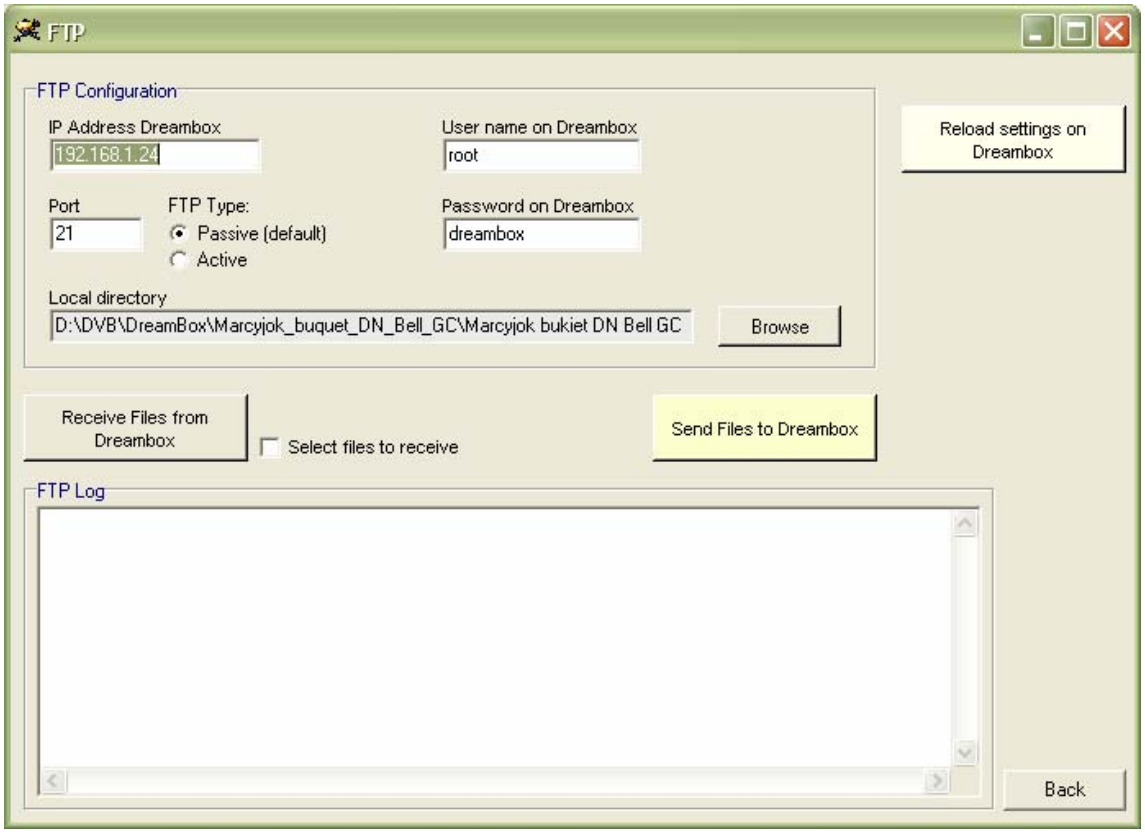
Procedure:

1. Download the newest DB Nation Service list from our forum.
2. Launch the DreamBoxEdit program and open the folder to which you extracted the files.



9. You will see something like the above screen. Click the FTP tab.

10. In the next window, make sure the IP Address of your DreamBox is correct.
11. Click “Send Files to Dreambox”.



12. It will say Reload Settings or Reboot. Click “Reload settings on Dreambox”.

- You will now be able to select North American satellites and proceed to the next step.
- Anytime you change your satellite configuration settings, as we will explain in the next section, you will need to reload your Service List.

Section 9

Satellite Configuration

Multiple LNBs can be handled by the LNB on a fixed dish as with a T90 which can tune as many as 16 satellites.....

http://www.dreamboxfornewbies.org/Aiming a Toroidal Dish - T90 and T55.pdf. for help with aiming the T90.

Or a rotor which will turn a dish with a circular and linear LNB to tune every satellite within its arc.

A: Fixed Dish Configuration

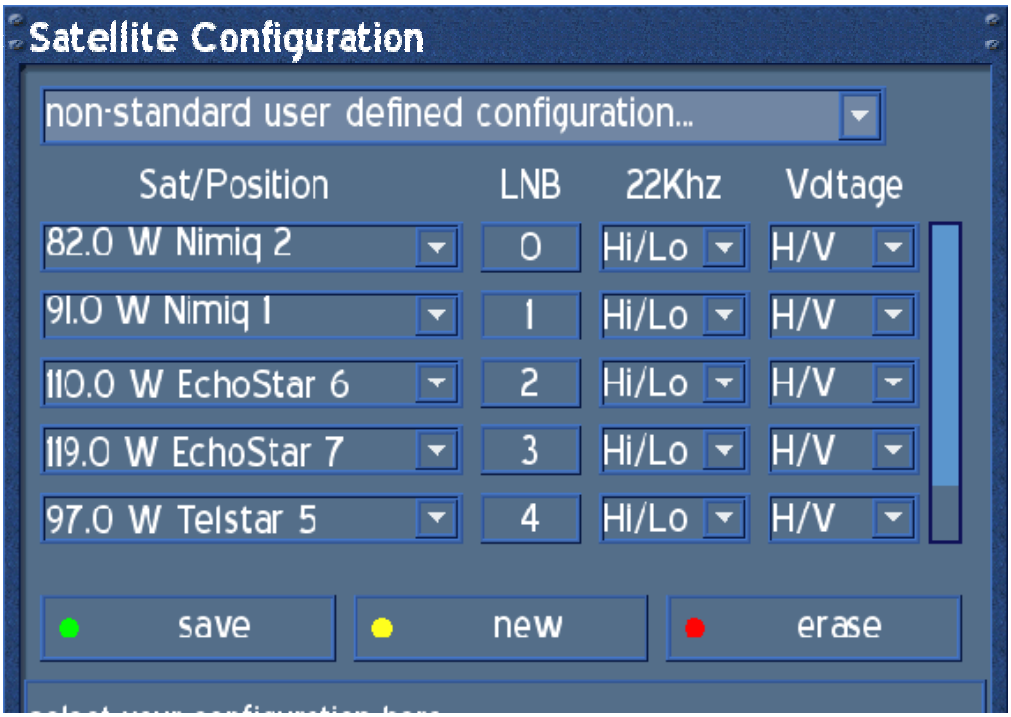
We will provide you with an example to demonstrate how this should be done. This example will be for 4 LNBs connected to a 4x1 DiSEqC switch tuning satellites at 82, 91, 110, and 119 degrees.

We will assume that you have your dish aligned correctly and that you have LNBs aimed at these 4 satellites connected by RG6 cables to a 4x1 switch.

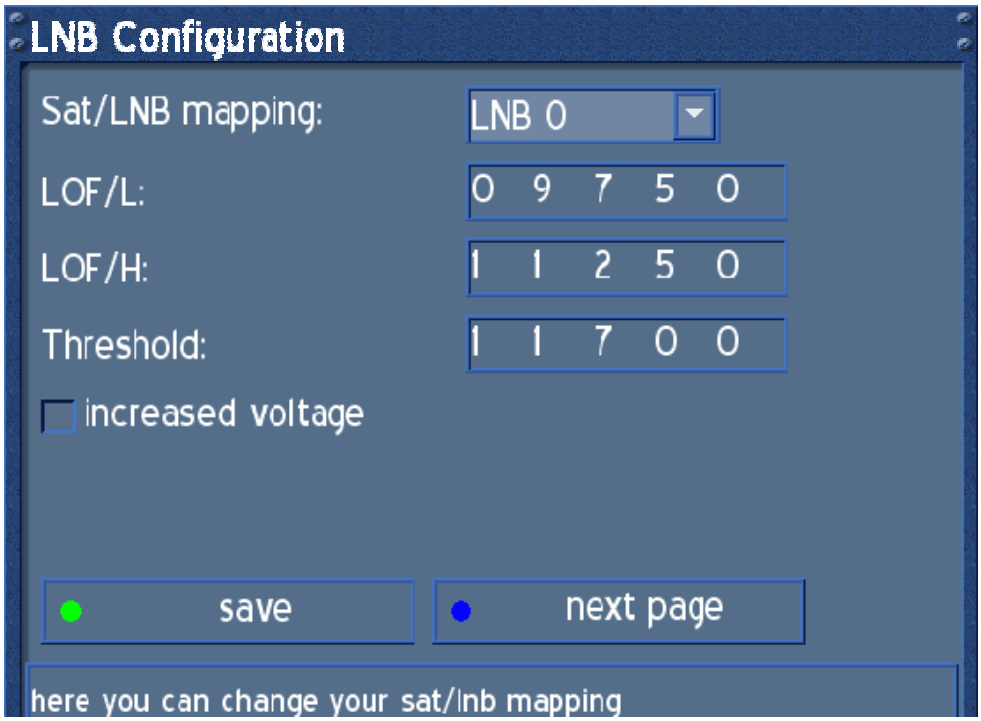
1. Connect 82 to Input 1.
2. Connect 91 to Input 2.
3. Connect 110 to Input 3.
4. Connect 119 to Input 4.
5. Connect an RG6 cable to the “Receiver” output post on the switch and connect to the “In” post on the DreamBox

Procedure:

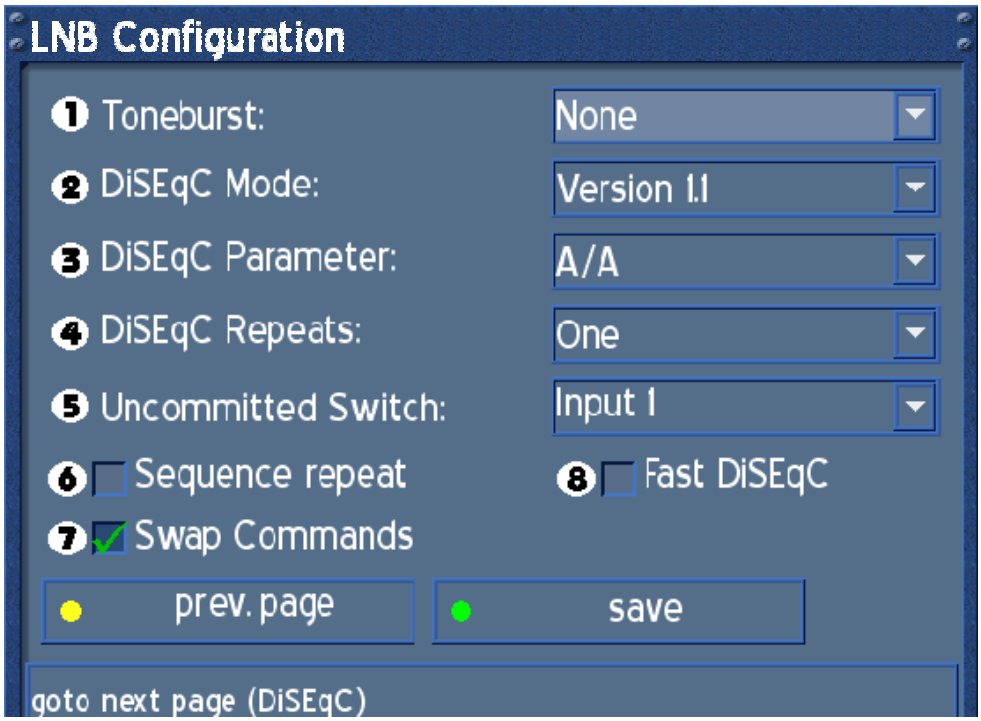
1. Using the remote control press “Menu” and go to Settings then Service Searching then Satellite Configuration to this screen.



2. Choose "**non-standard user defined configuration**" from the top drop-down menu.
3. Choose your desired satellite – 82 in this example.
4. Select **LNB0** and press the **OK** button. Do not make any other changes to this page.



5. At this new screen, change the **LOF/H** value to "**11250**". All other items should stay at their default values.
6. Press the **Blue** button to take you to the next page.



7. Change DiSEqC Mode to 1.0.
8. Change DiSEqC Parameter to A/A.
9. Press the **Green** button or arrow down to the “save” box and save the changes you have just made.
10. Press the **Yellow** button to add another satellite and repeat this procedure to add all 4 satellites with the following settings:

Satellite	LOF/H	Toneburst	DiSEqC Mode	DiSEqC Parameter
82	11250	None	1.0	A/A
91	11250	None	1.0	A/B
110	11250	None	1.0	B/A
119	11250	None	1.0	B/B

11. Press the **Green** button or arrow down to the “save” box and save the changes you have just made on the page that lists all the satellites to complete this configuration.
12. Now backup your hard work with FlashWizard.

Now that you an expert and want more than 4 satellites you may want to extrapolate these directions to 8 (or even more) satellites if you have a T90.

For 8 Satellite positions:
- 1 Spaun DiSEqC uncommitted switch - SUR 220F or 420F
- 2 Spaun DiSEqC switches - SAR 411F
- 8 LNBs

LNB	Toneburst	DiSEqC Mode	DiSEqC Parameter	Switch Input	Swap Command
0	None	1.1	A/A	1	+
1	None	1.1	A/B	1	+
2	None	1.1	B/A	1	+
3	None	1.1	B/B	1	+
4	None	1.1	A/A	2	+
5	None	1.1	A/B	2	+
6	None	1.1	B/A	2	+
7	None	1.1	B/B	2	+

Tips:

- LOF/H is 11250 for circular LNBs like we use for DISH, DirecTV, and Bell ExpressVu. (No, the DreamBox cannot receive DirecTV.
- LOF/H is 10600 or 10750 for linear LNBs like we use for 97, 105, and 121. (Standards are 10750; Universals are 10600)
- If your RG6 run is fairly long, adding ‘Repeat’ of ‘one’ on the page with DiSEqC 1.1 settings will help.

Go to http://www.dreamboxfornewbies.org/wiring.htm for diagrams explaining how to wire different combinations of satellites and LNBs with a fixed dish.

B. Rotor Dish Configuration

We will provide you with an example to demonstrate how this should be done. This example will be for 2 LNBs, one linear

standard and one circular, connected to a 22kHz switch tuning satellites at 82, 91, 110, 119, 148, 97, 105, and 121 degrees.

Equipment:

1. 30 inch or larger dish with a circular LNB for R and L polarization and linear standard LNB for H and V polarization. A universal linear LNB will not work with the 22kHz switch.
2. 22kHz switch. (A DiSEqC switch will also work but a simple on and off switch such as a 22kHz switch will work just as well.)
3. Rotor. We recommend the Stab HH series. Some of the others lose position memory.

Procedure:

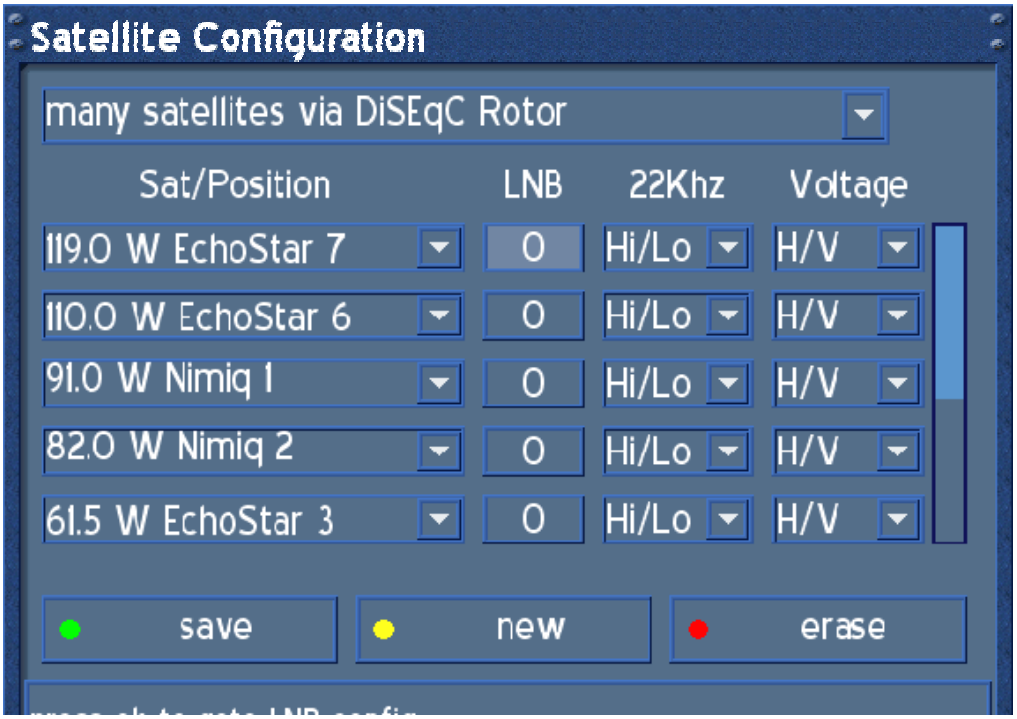
1. Mount the dish and make sure everything is level and plumb.
2. Install the linear LNB in the center of the dish.
3. Install the circular LNB just to the left of the linear LNB as you are looking at the front of the dish.
4. Connect the circular LNB to the 'OFF' pole of the switch and the linear LNB to the 'ON' pole of the switch.

5. Connect the RG6 cable from the switch to the Rotor and another from the Rotor to the DreamBox.
6. Aim the dish in the approximate direction of your first satellite.
7. Sometimes we have a rotor version of the DBNA image in the Forum. If there is, and you downloaded the newest 'Rotor' version of our DBNA image, there is nothing you need to do in 'Satellite Configuration'. Right now there is not a rotor version.

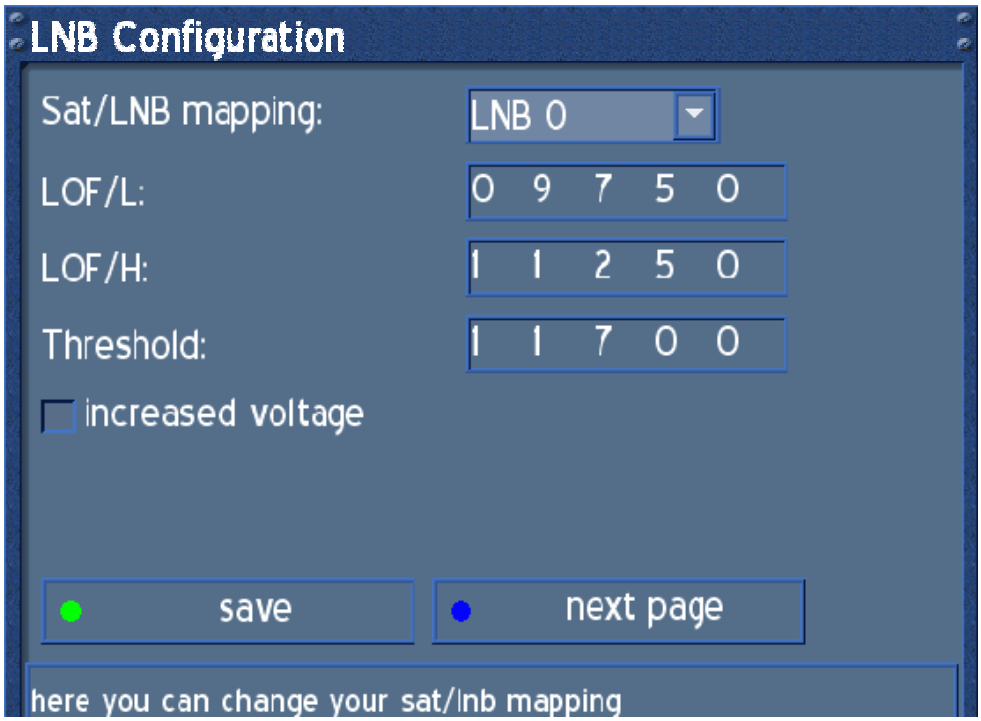
Satellite Configuration for those with Rotors

Procedure:

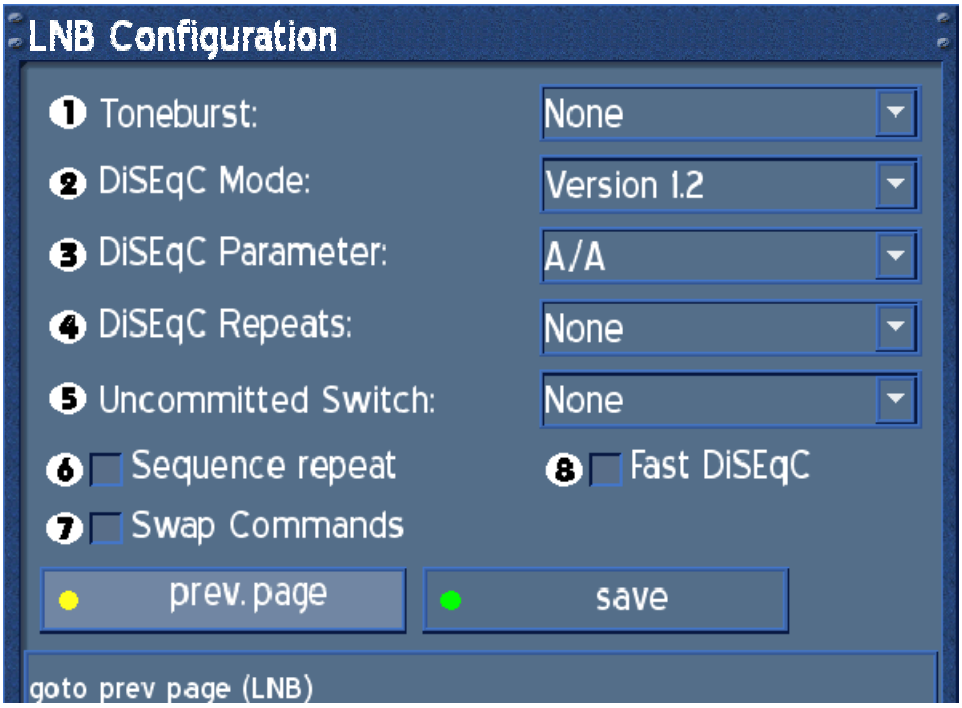
1. Using the remote control press “Menu” and go to Settings then Service Searching then Satellite Configuration.
2. Choose “**many satellites via DiSEqC Rotor**” from the top drop-down menu.
3. Let’s make the circular polarized LNB = LNB0 and the linear LNB = LNB1.
4. Choose your first desired satellite – 119W in this example because it has a very strong signal.



5. Select **LNB0** and press the **OK** button. Do not make any other changes to this page.
6. At this new screen, change the **LOF/H** value to “**11250**”. All other items should stay at their default values.



7. Press the **Blue** button to take you to the next page.



8. Change DiSEqC Mode to 1.2.
9. Change DiSEqC Parameter to A/A.
10. Press the **Green** button or the down arrow button to the “Save” box and save the changes you have just made.
11. Press the **Yellow** button to add another satellite and repeat this procedure to add all of the satellites requiring circular LNBs (R or L polarization) with the following settings:

Satellite	22kHz	LOF/H	Toneburst	DiSEqC Mode	DiSEqC Parameter
61.5	Off	11250	None	1.2	A/A
82	Off	11250	None	1.2	A/A
91	Off	11250	None	1.2	A/A
110	Off	11250	None	1.2	A/A
119	Off	11250	None	1.2	A/A
148	Off	11250	None	1.2	A/A

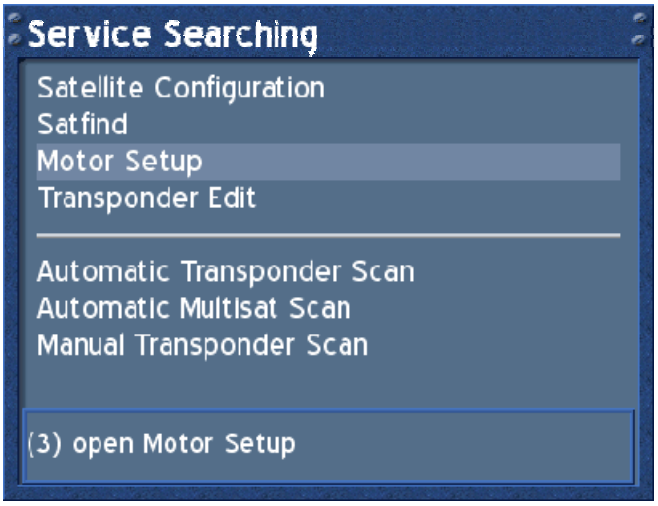
12. Then use the above procedure to add all of the

satellites requiring linear LNBs (V or H polarization).

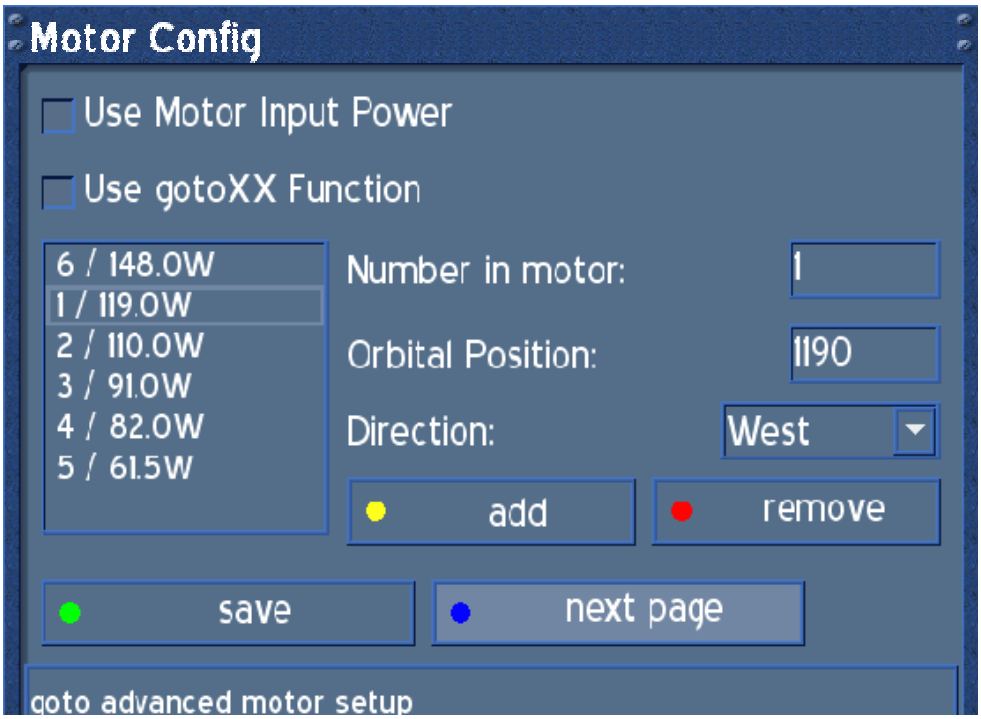
13. Use “10750” for the LOF/H.

Satellite	22kHz	LOF/H	Toneburst	DiSEqC Mode	DiSEqC Parameter
97	On	10750	None	1.2	A/A
105	On	10750	None	1.2	A/A
121	On	10750	None	1.2	A/A

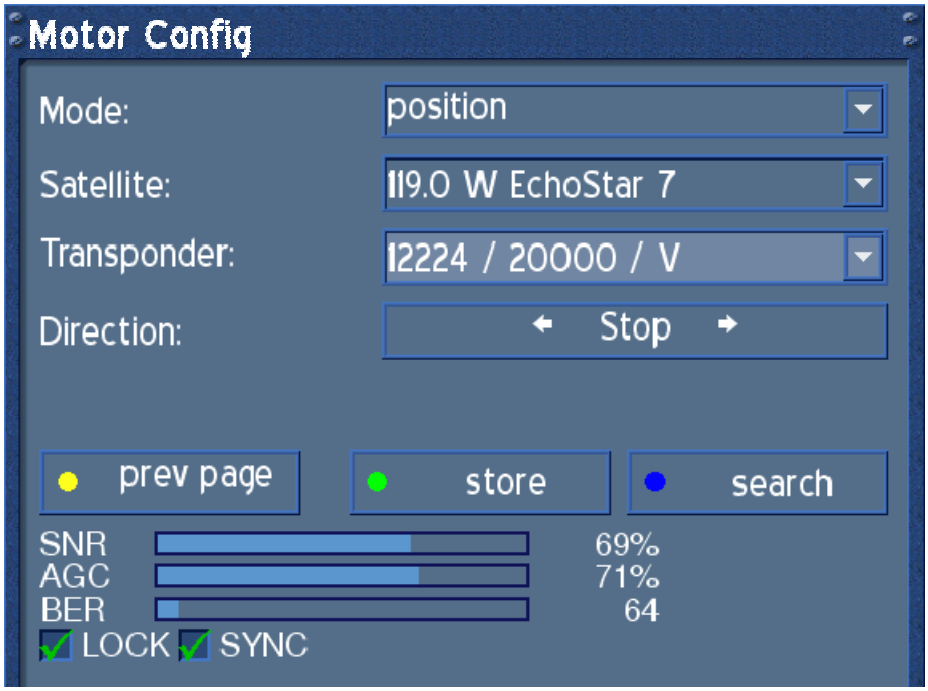
14. Press the **Green** button or the down arrow button to the “Save” box and save the changes you have just made.
15. Use the remote to select “Motor Setup”.



16. You get a message that says you have more than one LNB. Press “OK”.
17. Select “LNB 0”.
18. Uncheck the “Use gotoXX Function”



19. Browse down to “Number in Motor” and enter “1”.
20. Browse down to “Orbital Position” and enter “1190” for the 119W satellite.
21. Browse down to “Direction” and select “West” from the drop-down menu.
22. Press **Blue** button.



23. Browse down to “Mode” and select “position” from the drop-down menu.
24. Browse down to “Satellite” and select “119.0 W EchoStar 7” from the drop-down menu.
25. Browse down to “Transponder” and select “12239 / 20000 / H” from the drop-down menu.
26. Browse down to “Direction” and press the “left” or “right” arrow button on the remote to move the dish “one step” to the East or West.

Tip: If you hold the button down too long, the dish will turn to the furthest position to the east or west. You need to make sure you press short clicks and wait 4 seconds between each press of the remote button.

27. Keep turning the dish until you see the SNR reach its maximum for that satellite. You will need to adjust the elevation at the dish.
28. Once you reach the maximum press the **Green**

button or the down arrow button to the “Store” box and store this position.

29. On the screen that comes up enter “1” in the “Storage Location” box and press the **Green** button or the down arrow button to the “Save” box and save the changes you have just made.
30. Browse down to “Mode” and select “recalculate” from the drop-down menu.
31. Press the **Green** button or the down arrow button to the “recalculate” box and save the changes you have just made.
32. It will then ask “Are you sure?” Press the **Green** button or the down arrow button to the “Yes” box to save.
33. Press the **Yellow** button or the down arrow button to the “prev page” box.
34. Browse down to “Number in Motor” and enter “2”.
35. Browse down to “Orbital Position” and enter “910” for 91W satellite.
36. Browse down to “Direction” and select “West” from the drop-down menu.
37. Press **Yellow** button to or the down arrow button to the “add” box.
38. Repeat this procedure until all of your circularly polarized satellites are entered. In this example that would be: 82, 91, 110, 119, and 148.
39. Press the “Exit” button and then select “Motor Setup”.
40. You get a message that says you have more than one LNB. Press “OK”.
41. Select “LNB 1”.
42. Start over with “Step 32” above to enter the linearly polarized satellites. In this example that would be: 97, 105, and 121.
43. You will now need to scan any satellites that are not listed in your DBNA service list.

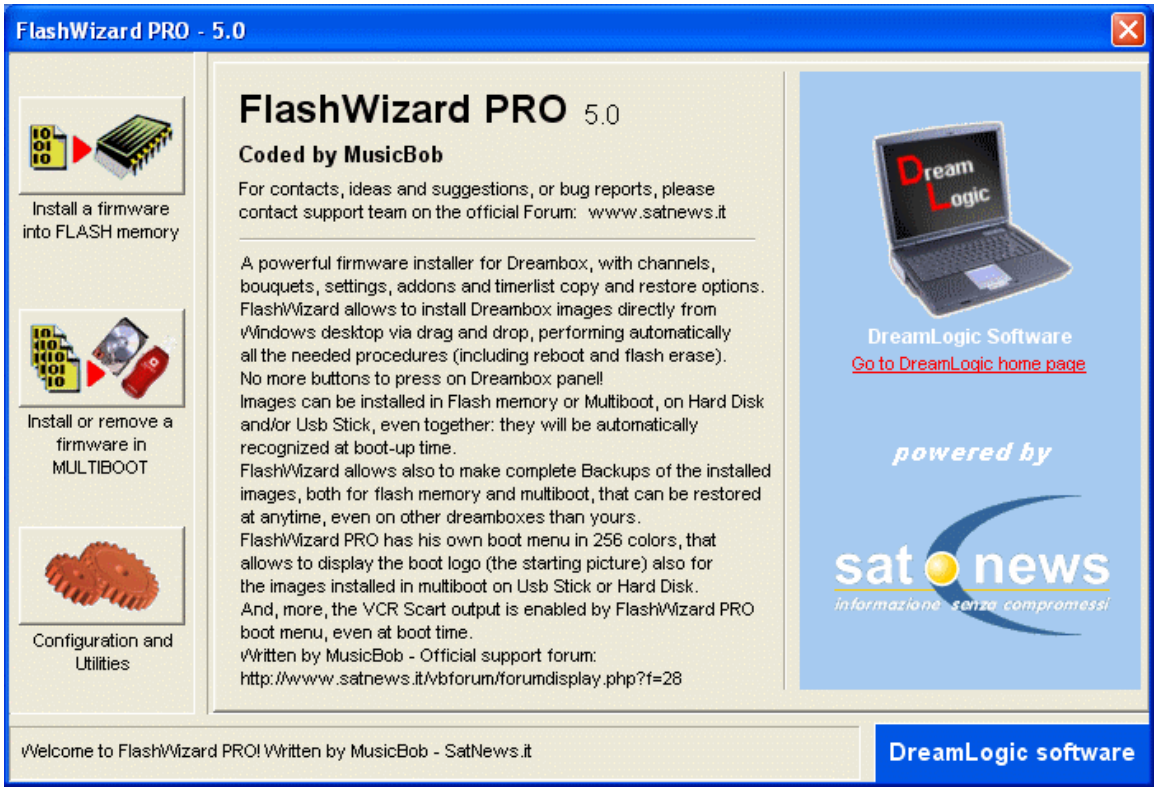
Section 10

Using FlashWizard for Backups and Multiboot

FlashWizard is a program that allows you to:

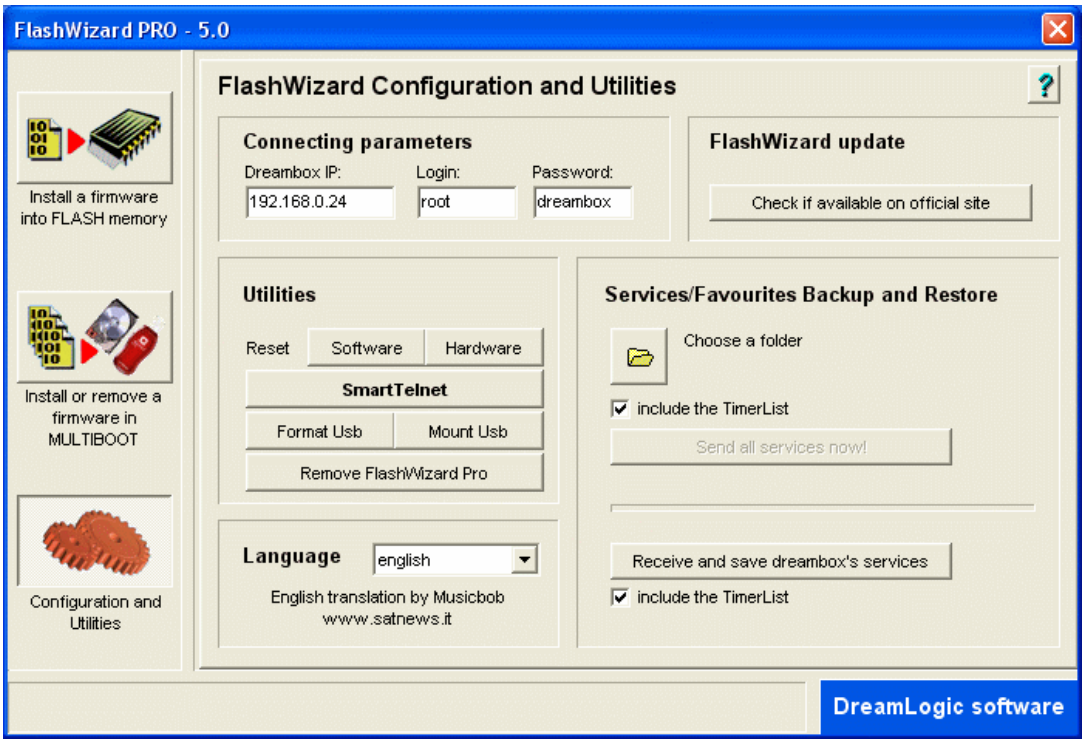
1. Backup your entire DreamBox and restore it if you have any future problems. (If the Box has frozen you will have to use DreamUp first and then restore your image with FlashWizard.)
2. Restore your image and settings or someone else's image and settings. The file must be in .FWZ format.
3. Telnet to your Box and edit files with vi Editor.
4. Easily install Multiboots to switch between images.
5. Now can configure your DreamBox for NFS drive usage.

This is the simplest technique for getting your DreamBox up and working if you are unable to follow simple instructions as outlined above and if you are computer illiterate and unwilling to learn. You will have to get someone else's backup and restore it to your DreamBox as outlined [below](#).



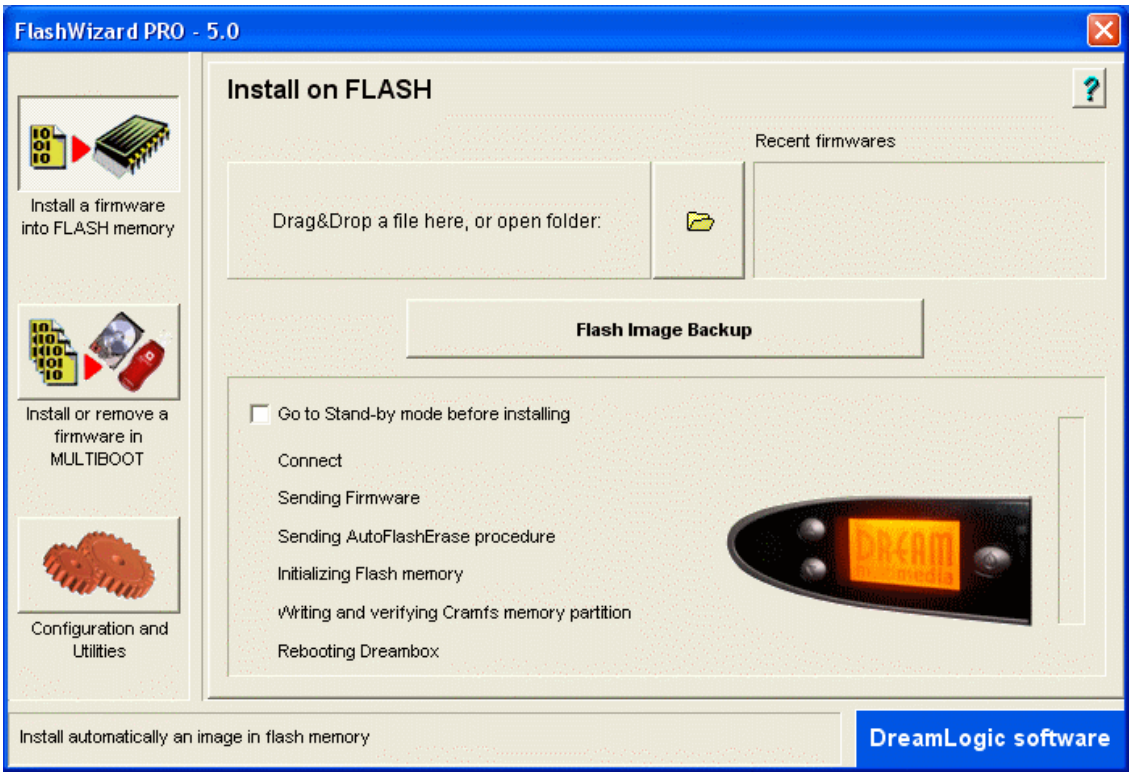
Configuring FlashWizard:

1. Click on "Configuration and Utilities".
2. Enter the IP of your DreamBox and your language.



Backing up your image and settings:

1. Start FlashWizard.
2. Click “Install a firmware into FLASH memory”.
3. Click “Flash Image Backup”.
4. Create a name for your backup.
5. Click “Save”.

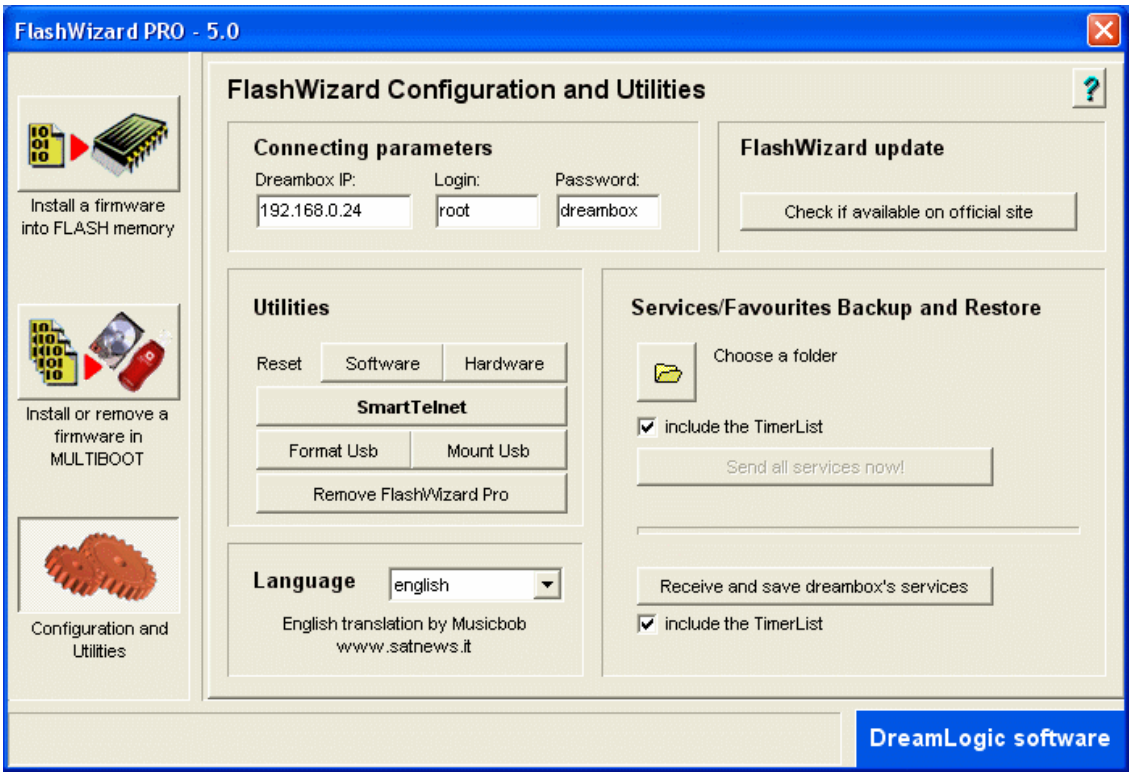


Restoring your image and settings:

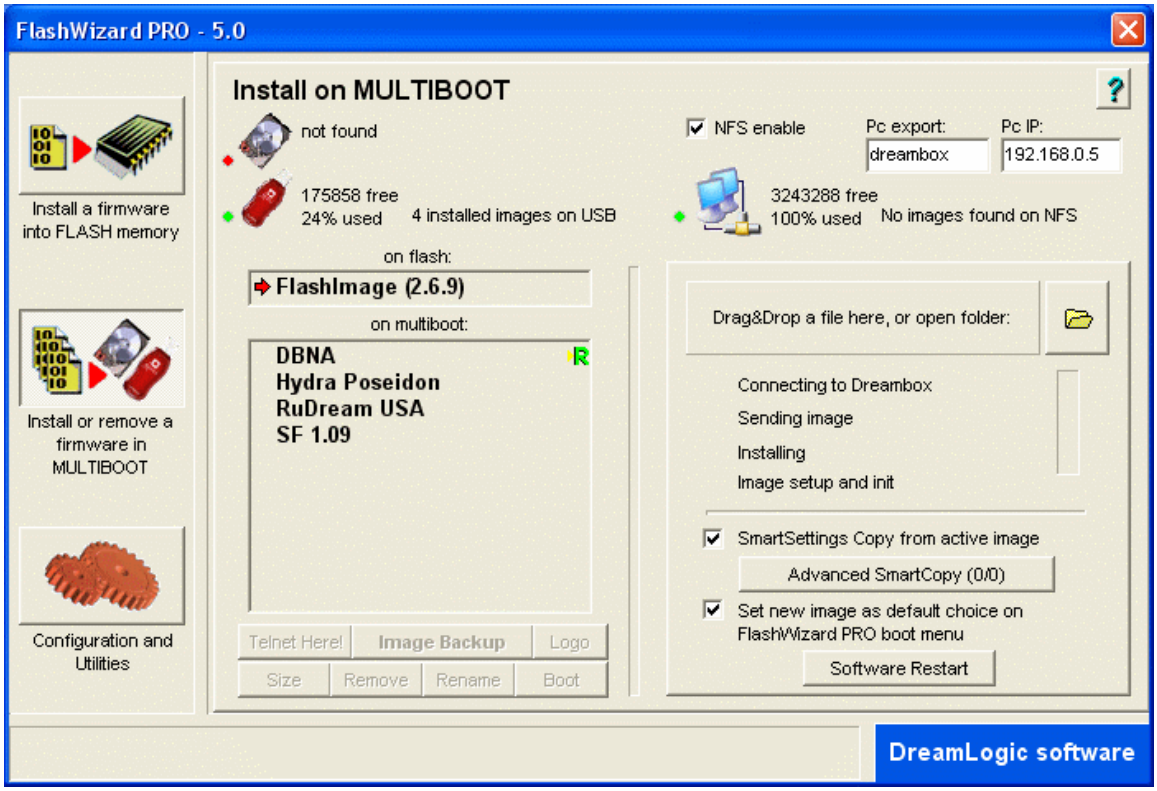
1. Start FlashWizard.
2. Click “Install a firmware into FLASH memory”.
3. Click the Folder icon.
4. Click on the file you wish to restore.
5. Click “Open”.
6. When it asks, “Sure to restore the backupped image?” click on “Yes”.

Setting up Multiboot to easily switch between images:

1. Start FlashWizard.
2. Click “Configuration and Utilities”.



3. Click “Format Usb” and follow the prompts. It will automatically mount for you as well so you could skip #4 if you do this step.
4. Click “Mount Usb” and follow the prompts.
5. Click “Install or remove a firmware MULTIBOOT” at the left.



6. Check box for “Smart Settings Copy from active image”. This saves settings from active image and uses in future installed images.
7. Check box for “Set new image as default choice on FlashWizard PRO boot menu” if you want the image you are about to install to be your default image. (you already have an image in the main flash or you would not be able to connect to the DreamBox. I use the latest official image in flash and add extra images on the USB stick.)
8. Click on “Folder Icon” at the end of “Drag&Drop a file here, or open folder”.
9. Browse to the image (.img or .fwz) you want to install and select.
10. The settings from your previous active image should be transferred to the new image.
11. Add any emu files needed and their keys. Please go to Section 13 for emu and key help. It is easier to add plugins, emus, and keys after making an image active. You make an image active by booting it up.

Configuring your DreamBox for NFS:

1. Start FlashWizard Pro 5.0.

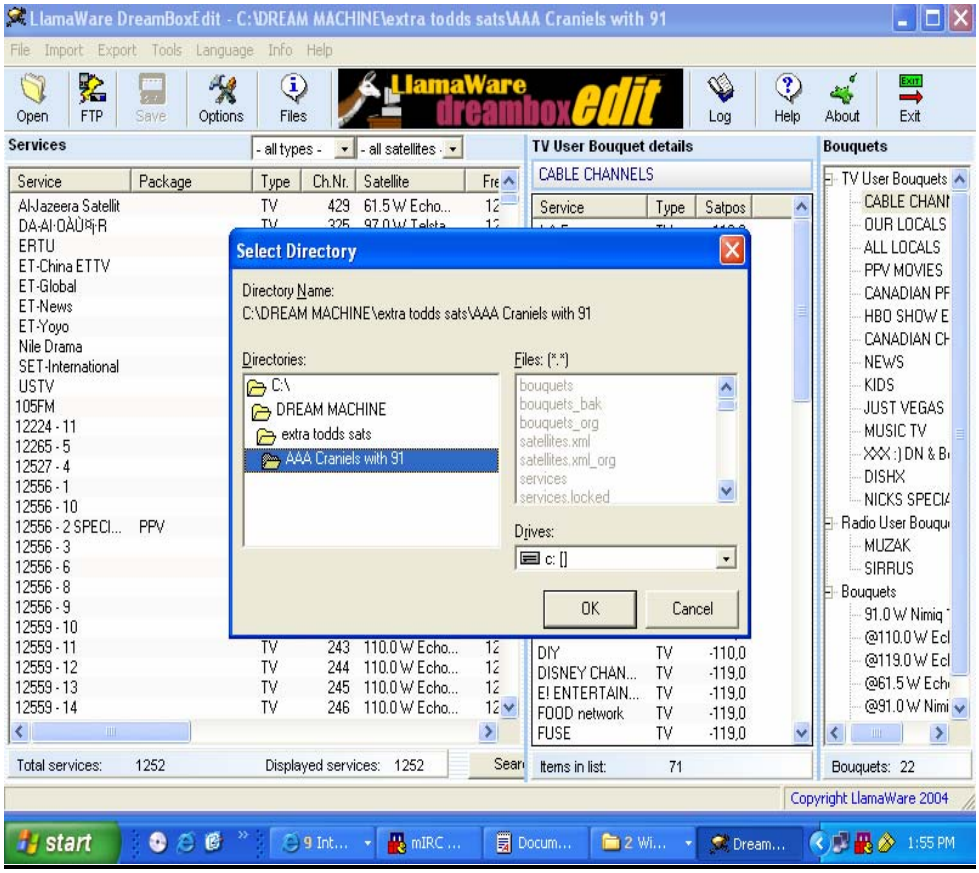
2. Click on “Install or remove a firmware in MULTIBOOT”.
3. Type “dreambox” in the “Pc export:” blank.
4. Type the IP of your PC in the “Pc IP:” blank. Ie. 192.168.0.5 for me.
5. Click the NFS enable box and it will tell you if you are successful.
6. YOU STILL HAVE TO SUCCESSFULLY INSTALL NFS before doing this! See Section 12.

Section 11

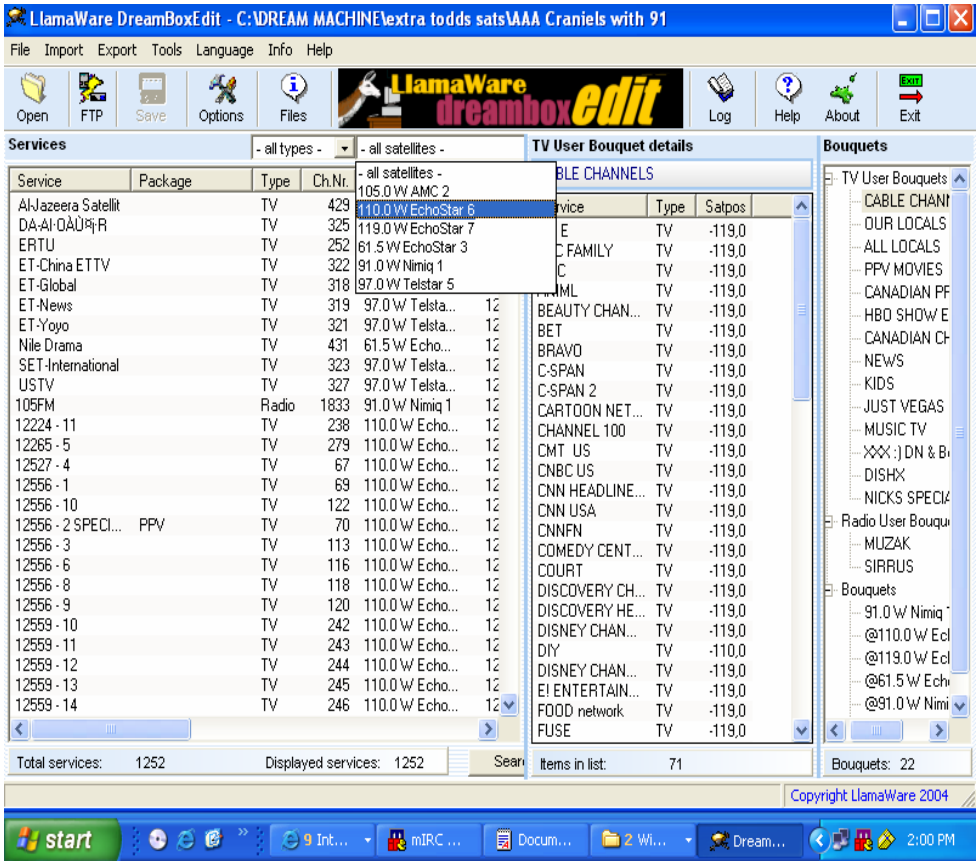
Adding Services Manually

Procedure:

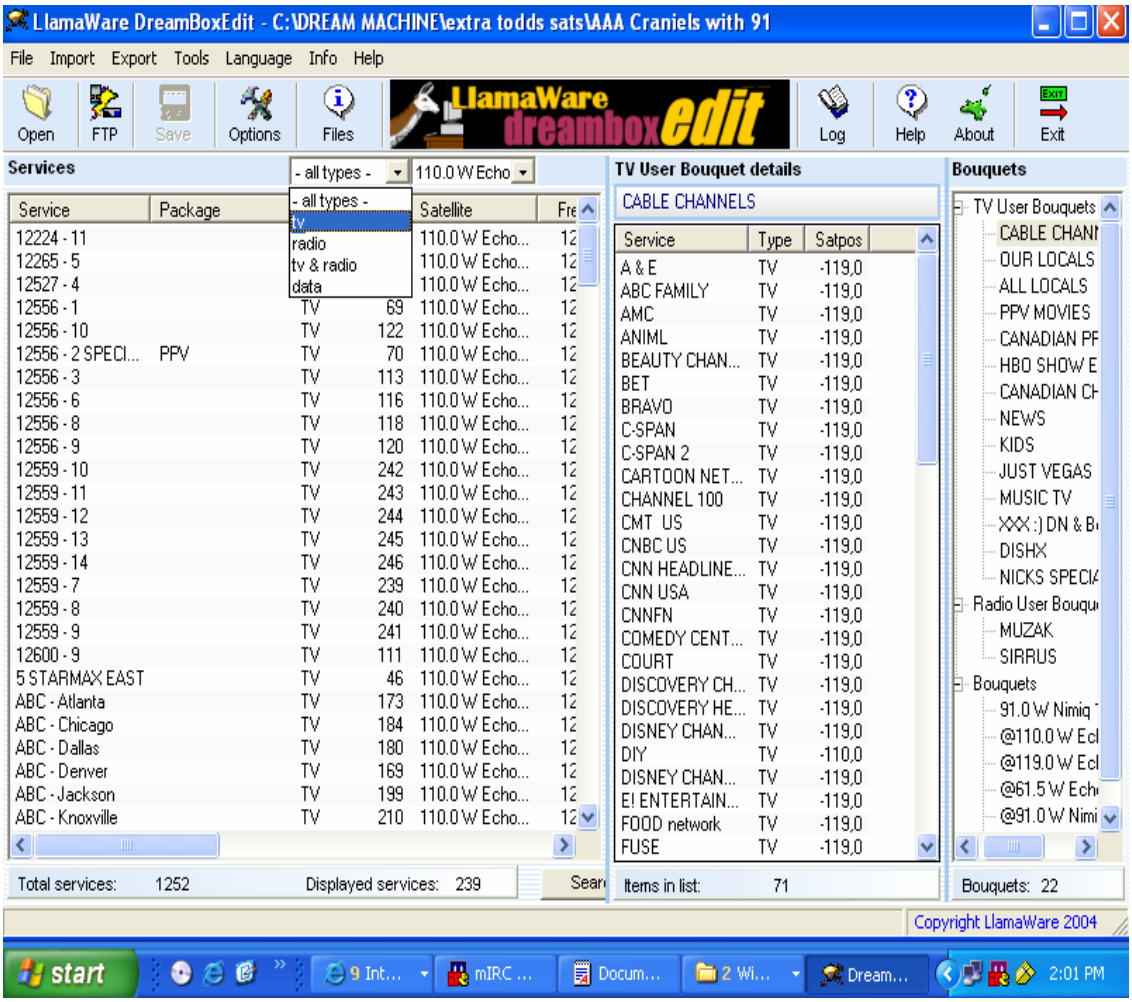
1. Start DreamBoxEdit and open your Service List. (This is the file with all your satellite information, such as satellites.xml, bouquets, etc.)



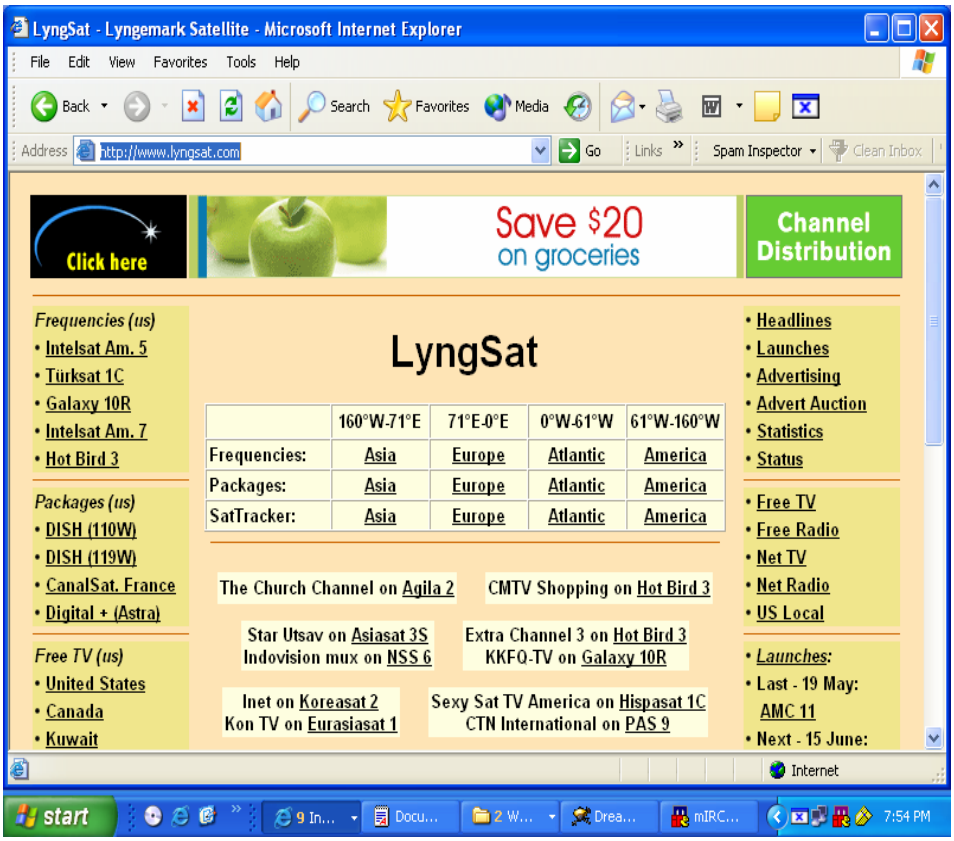
2. Choose the satellite of interest from the “satellites” drop-down menu.



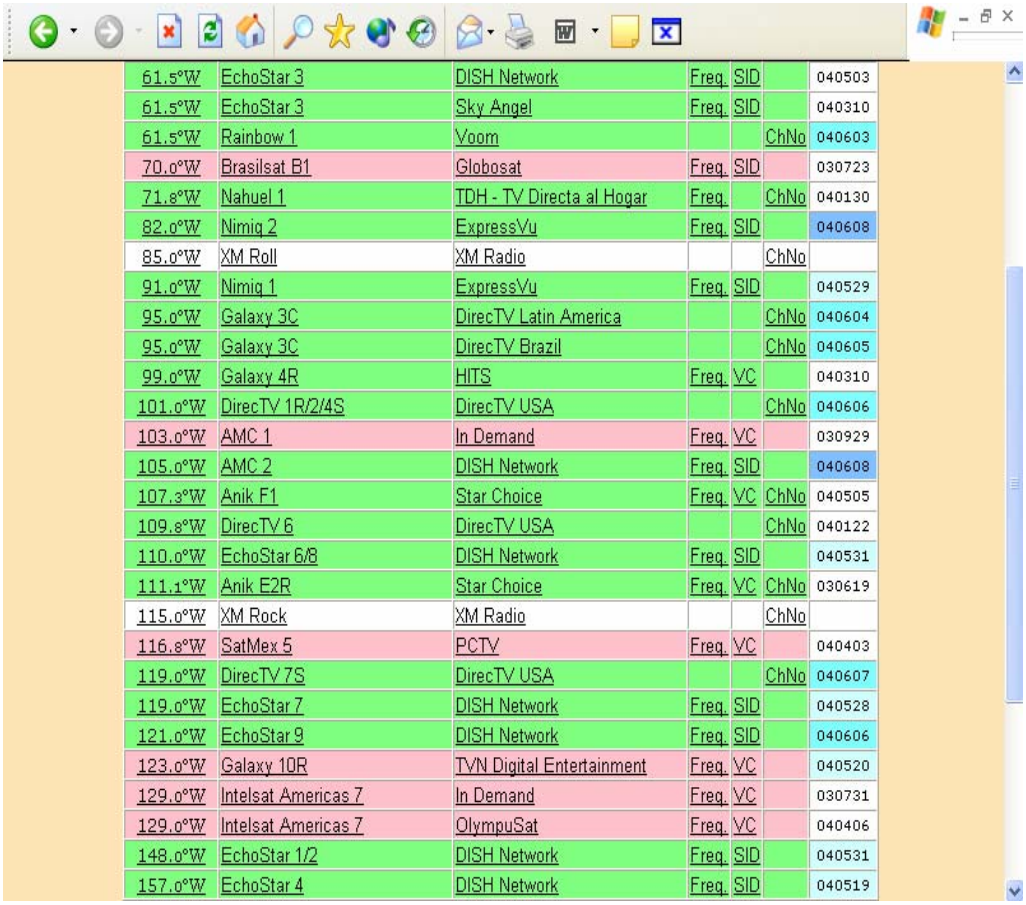
3. Choose “tv” from the “types” drop-down menu to make things easier to keep track of. (Select “Radio” if you want to add radio stations.



4. Go to **http://www.lyngsat.com** to find the services information we need to tune a service. These pages contain "packages" or information about the services offered on each transponder of each satellite.

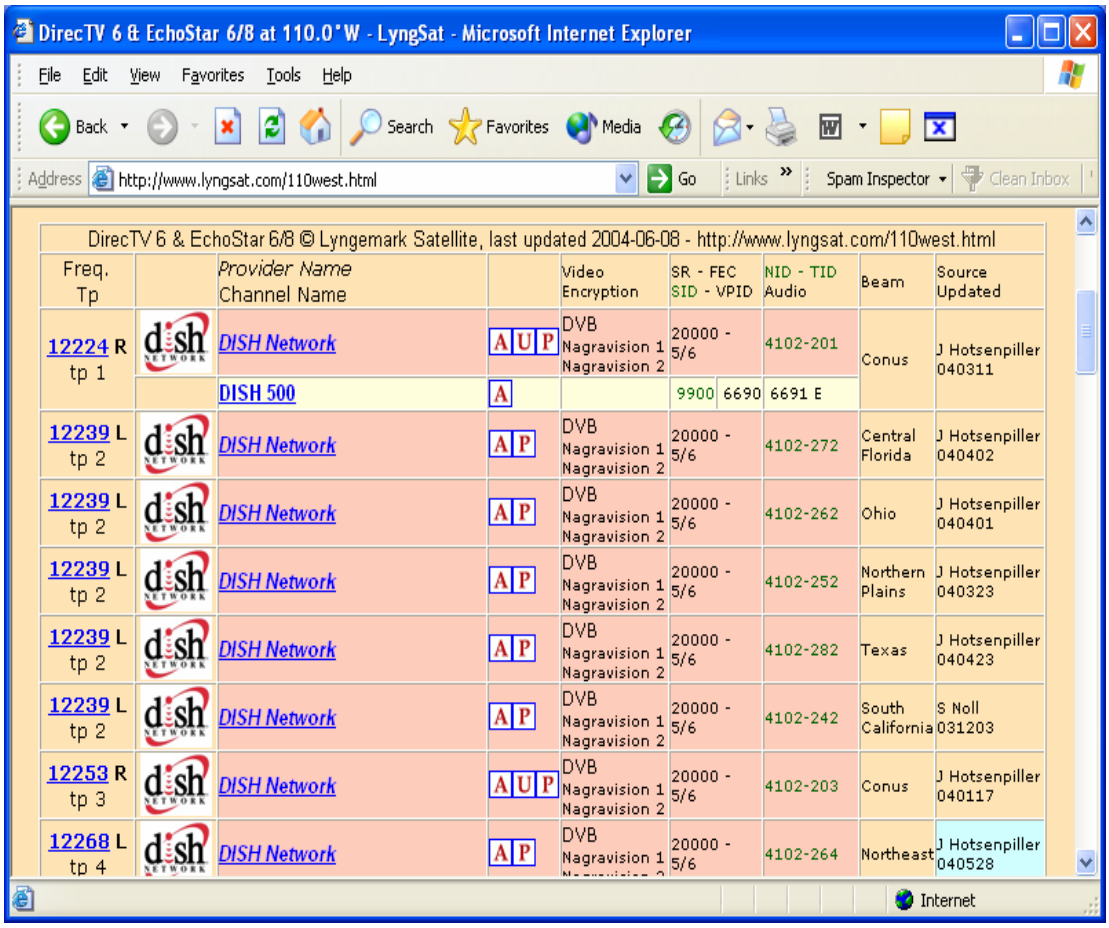


5. We are adding services from 110W so select Packages – America and click on 110.0 W EchoStar 6/8.

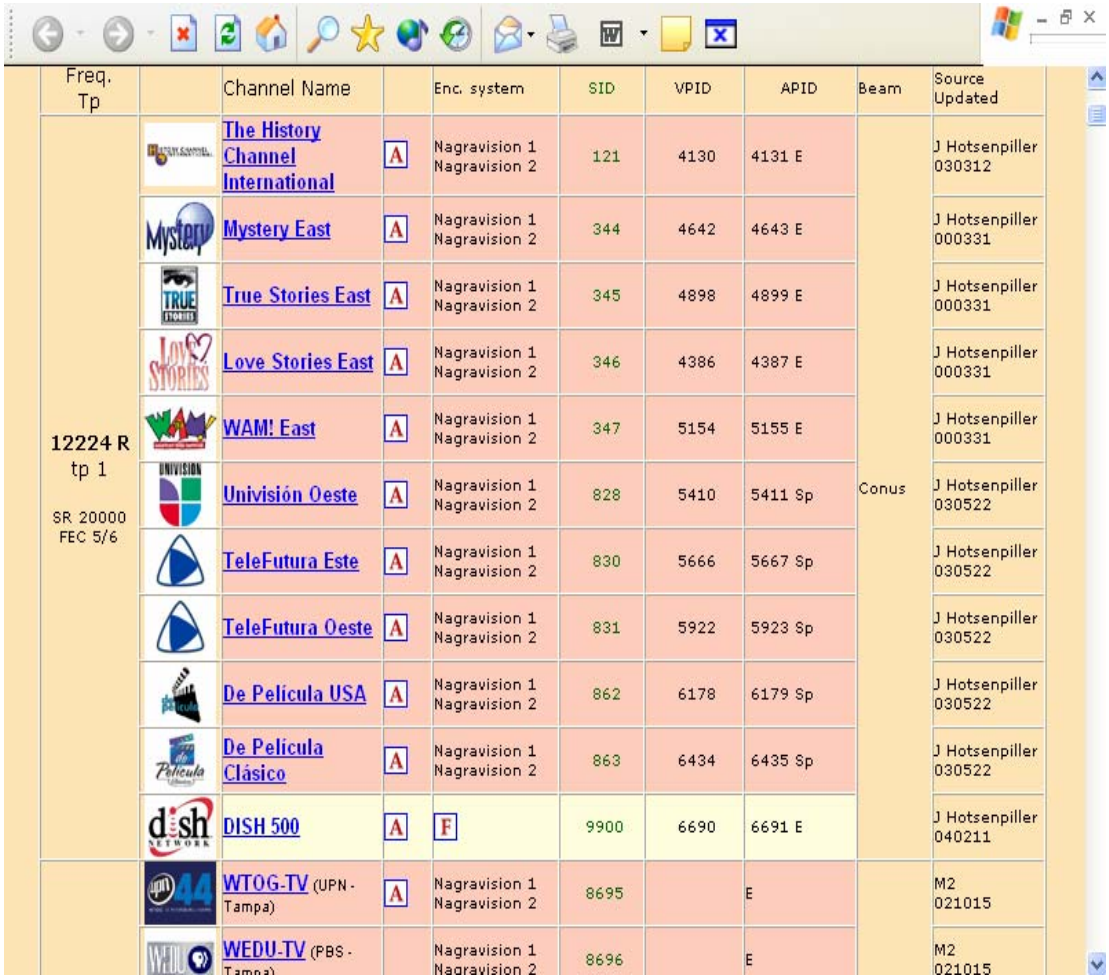


61.5°W	EchoStar 3	DISH Network	Freq.	SID		040503
61.5°W	EchoStar 3	Sky Angel	Freq.	SID		040310
61.5°W	Rainbow 1	Voom			ChNo	040603
70.0°W	Brasilsat B1	Globosat	Freq.	SID		030723
71.8°W	Nahuel 1	TDH - TV Directa al Hogar	Freq.		ChNo	040130
82.0°W	Nimiq 2	ExpressVu	Freq.	SID		040608
85.0°W	XM Roll	XM Radio			ChNo	
91.0°W	Nimiq 1	ExpressVu	Freq.	SID		040529
95.0°W	Galaxy 3C	DirecTV Latin America			ChNo	040604
95.0°W	Galaxy 3C	DirecTV Brazil			ChNo	040605
99.0°W	Galaxy 4R	HITS	Freq.	VC		040310
101.0°W	DirecTV 1R/2/4S	DirecTV USA			ChNo	040606
103.0°W	AMC 1	In Demand	Freq.	VC		030929
105.0°W	AMC 2	DISH Network	Freq.	SID		040608
107.3°W	Anik F1	Star Choice	Freq.	VC	ChNo	040505
109.8°W	DirecTV 6	DirecTV USA			ChNo	040122
110.0°W	EchoStar 6/8	DISH Network	Freq.	SID		040531
111.1°W	Anik E2R	Star Choice	Freq.	VC	ChNo	030619
115.0°W	XM Rock	XM Radio			ChNo	
116.8°W	SatMex 5	PCTV	Freq.	VC		040403
119.0°W	DirecTV 7S	DirecTV USA			ChNo	040607
119.0°W	EchoStar 7	DISH Network	Freq.	SID		040528
121.0°W	EchoStar 9	DISH Network	Freq.	SID		040606
123.0°W	Galaxy 10R	TVN Digital Entertainment	Freq.	VC		040520
129.0°W	Intelsat Americas 7	In Demand	Freq.	VC		030731
129.0°W	Intelsat Americas 7	OlympuSat	Freq.	VC		040406
148.0°W	EchoStar 1/2	DISH Network	Freq.	SID		040531
157.0°W	EchoStar 4	DISH Network	Freq.	SID		040519

6. You will now see this screen:



7. Now you click on any of the "P"s, for programs offered. This will bring up a list on the 110W DISH Network for all services offered.



Freq. Tp		Channel Name		Enc. system	SID	VPID	APID	Beam	Source Updated
12224 R tp 1 SR 20000 FEC 5/6		The History Channel International	A	Nagravision 1 Nagravision 2	121	4130	4131 E	Conus	J Hotsenpiller 030312
		Mystery East	A	Nagravision 1 Nagravision 2	344	4642	4643 E		J Hotsenpiller 000331
		True Stories East	A	Nagravision 1 Nagravision 2	345	4898	4899 E		J Hotsenpiller 000331
		Love Stories East	A	Nagravision 1 Nagravision 2	346	4386	4387 E		J Hotsenpiller 000331
		WAM! East	A	Nagravision 1 Nagravision 2	347	5154	5155 E		J Hotsenpiller 000331
		Univisión Oeste	A	Nagravision 1 Nagravision 2	828	5410	5411 Sp		J Hotsenpiller 030522
		TeleFutura Este	A	Nagravision 1 Nagravision 2	830	5666	5667 Sp		J Hotsenpiller 030522
		TeleFutura Oeste	A	Nagravision 1 Nagravision 2	831	5922	5923 Sp		J Hotsenpiller 030522
		De Película USA	A	Nagravision 1 Nagravision 2	862	6178	6179 Sp		J Hotsenpiller 030522
		De Película Clásico	A	Nagravision 1 Nagravision 2	863	6434	6435 Sp		J Hotsenpiller 030522
		DISH 500	A	F	9900	6690	6691 E		J Hotsenpiller 040211
		WTOG-TV (UPN - Tampa)	A	Nagravision 1 Nagravision 2	8695		E		M2 021015
		WEDU-TV (PBS - Tampa)		Nagravision 1 Nagravision 2	8696		E		M2 021015

8. The 110W satellite carries two types of beams- direct Spot beams indicated by a named location and Conus beams. Conus is just simply satellite info that is transmitted all over North America and Spot beams are transmitted over the geographical location noted. (Think of a spot as a beam from a flashlight; it just shines over a small area where you point it.)

9. As an example, let's add services from the Southern California Spot beam; the procedure is the same for Conus.

So scroll down until you see Southern California.

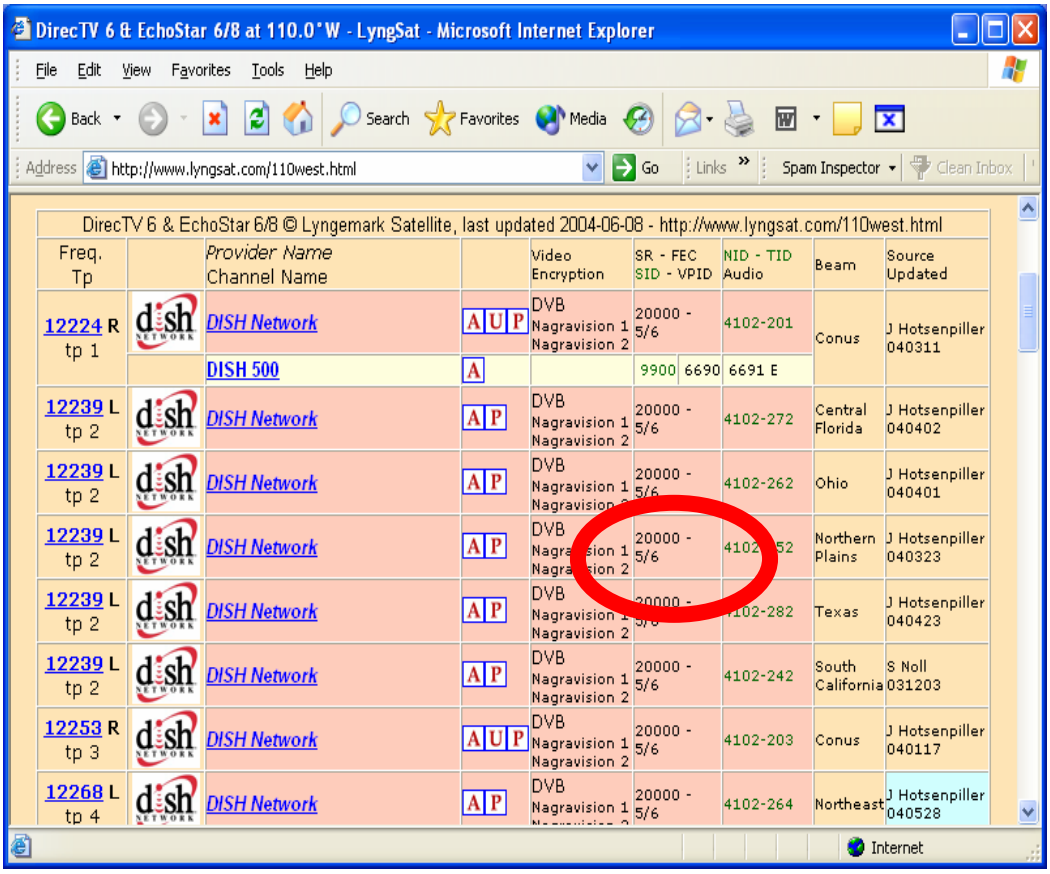
12239 L tp 2 SR 20000 FEC 5/6		KBAK-TV (CBS - Bakersfield)		Nagravision 1 Nagravision 2	7301	6178	6179 E	South California	P Smith 031026
		KGET-TV (NBC - Bakersfield)		Nagravision 1 Nagravision 2	7302	6434	6435 E		P Smith 031026
		KBFX-LP (FOX - Bakersfield)		Nagravision 1 Nagravision 2	7303	6690	6691 E		S Noll 031203
		KUVI-TV (UPN - Bakersfield)		Nagravision 1 Nagravision 2	7305	6946	6947 E		P Smith 031026
		KTNV-TV (ABC - Las Vegas)	A	Nagravision 1 Nagravision 2	9030	4130	4131 E		P Smith 031018
		KLAS-TV (CBS - Las Vegas)	A	Nagravision 1 Nagravision 2	9031	4386	4387 E		P Smith 031018
		KVVU-TV (FOX - Las Vegas)	A	Nagravision 1 Nagravision 2	9033	4898	4899 E		P Smith 031018
		KVWB-TV (WB - Las Vegas)	A	Nagravision 1 Nagravision 2	9034	5154	5155 E		P Smith 031018
		KLVX-TV (PBS - Las Vegas)	A	Nagravision 1 Nagravision 2	9036	5410	5411 E		P Smith 031018
		KFBT-TV (Las Vegas)	A	Nagravision 1 Nagravision 2	9039	5666	5667 E		P Smith 031018
		Auction TV		Nagravision 1 Nagravision 2	217	6434	6435 E		J Hotsenpiller 040117
		DISH-on-Demand PPV	A	Nagravision 1 Nagravision 2	525	4130	4131 E		J Hotsenpiller 021220
		DISH-on-Demand PPV	A	Nagravision 1 Nagravision 2	526	4386	4387 E		J Hotsenpiller 021215
		DISH-on-Demand	A	Nagravision 1	527	4642	4643 E		J Hotsenpiller

10. We need the following information about our service:
    a. The station name.
    b. TID – transponder ID
    c. Frequency of the transponder
    c. Symbolrate
    d. FEC
    e. Polarization
    f. SID – Signal Identification Number
    g. NID – Network Identification Number

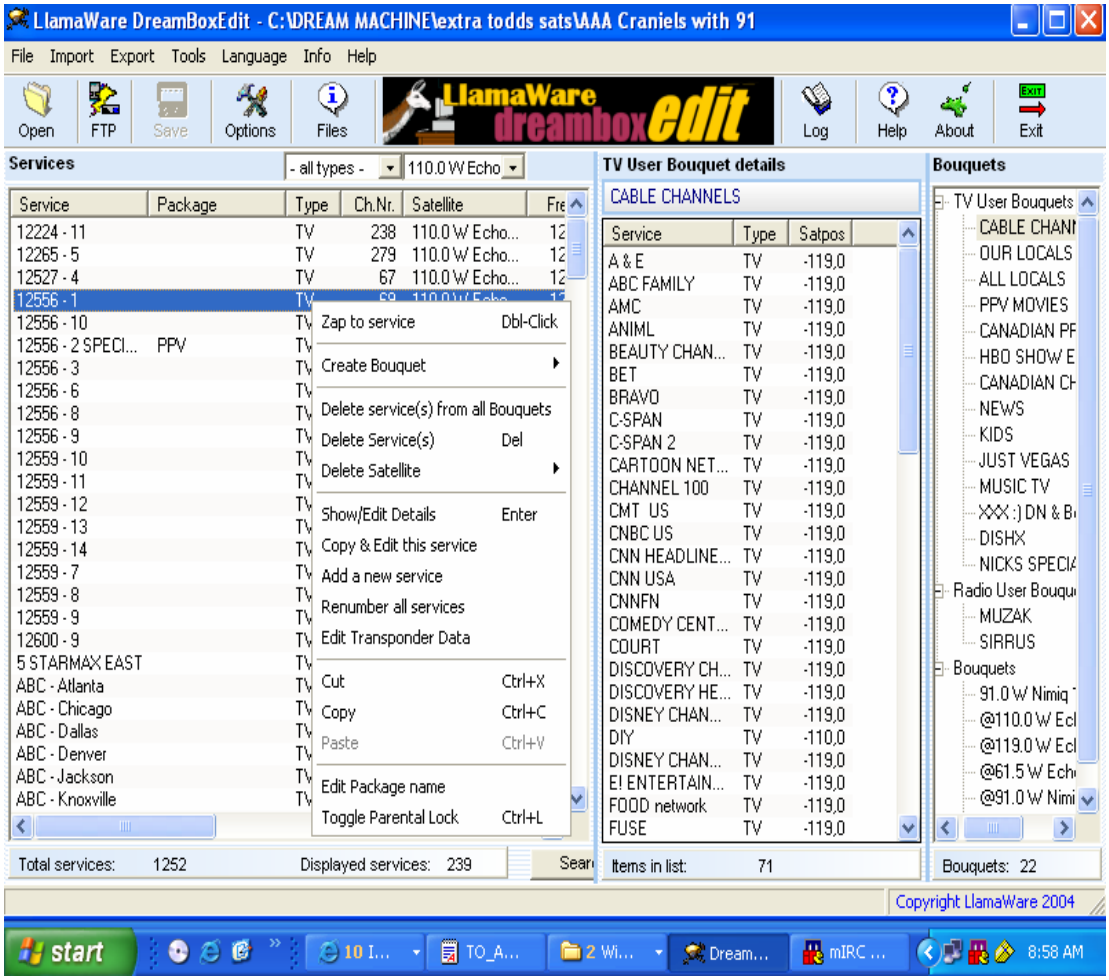
11. Lets add "KGET TV" in Bakersfield, a NBC station, as our service.
    a. Station name is NBC KGET-TV BAKERSFIELD.
    b. The TID we need is NOT the one on the left hand side of the list. The TID is 242 NOT 2. I will explain later.
    c. The Frequency of the transponder is on the left hand side of the list followed by a L. In this case the frequency is 12239.

d. The Symbolrate is on the left hand side of the list, in this case the number is 20000.
e. The FEC number is on the left hand side of the list. In this example the number is 5/6.
f. The Polarization is on the left hand side of the list, right next to the frequency number, either an "R" or "L" in this case its "L".
g. The SID is in this list to the type of encryption. This SID is 7302.
h. The NID is 4102 for satellite 110W.

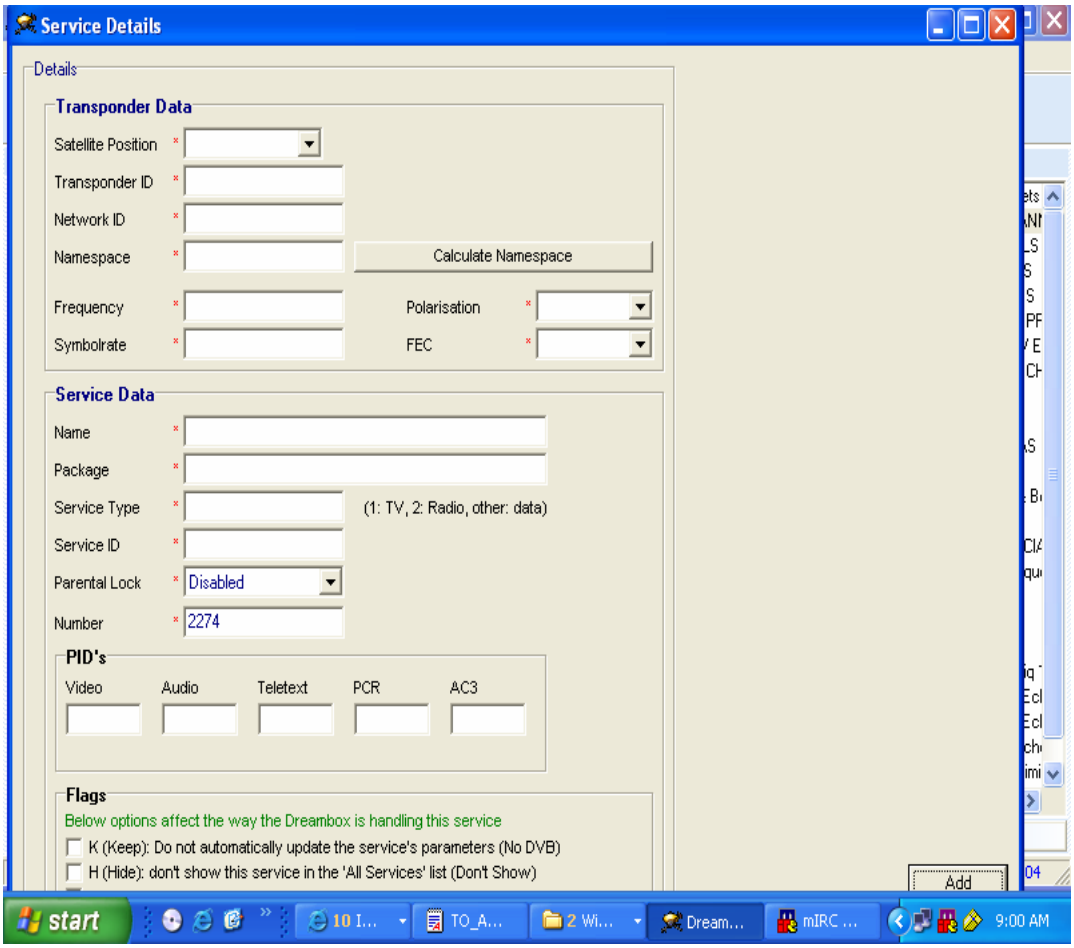
- The TID for Spot Beams is found on the page prior to the page that shows Station Names. Look at Frequency 12239 with the Spot of Southern California on this page again. The circled values give us our NID (Network ID) and our true TID.
- Your EPG (Electronic Program Guide) will not work if you don't have these correct values.
- The NID stays the same for the entire satellite. You can get the values here or on a list in our forum.



12. Start DreamBoxEdit.
13. Point your mouse on any service listed on the left hand side and right click.
14. A drop down menu will come up:



15. Select “Add a new service” and you will see this screen.



15. Start at the top and ….
    a. Enter “Satellite Position” which is 110 in our example.
    b. Enter “Transponder ID” - 242.
    c. Enter “Network ID” - 4102.
    d. Leave "Namespace" blank for now, we will deal with that number after we enter all the other data.
    e. “Frequency” is 12239 so enter 12239000.
    f. “Symbolrate” is 20000 so enter 20000000.
    g. Choose “Horizontal” for the “Polarization”.

Tip: The LNBs that we use for DISH Network, Bell ExpressVu and DirecTV are circular LNBs so the polarization is “R” or “L”. In DreamBoxEdit “R” = “Vertical” and “L” = “Horizontal”.

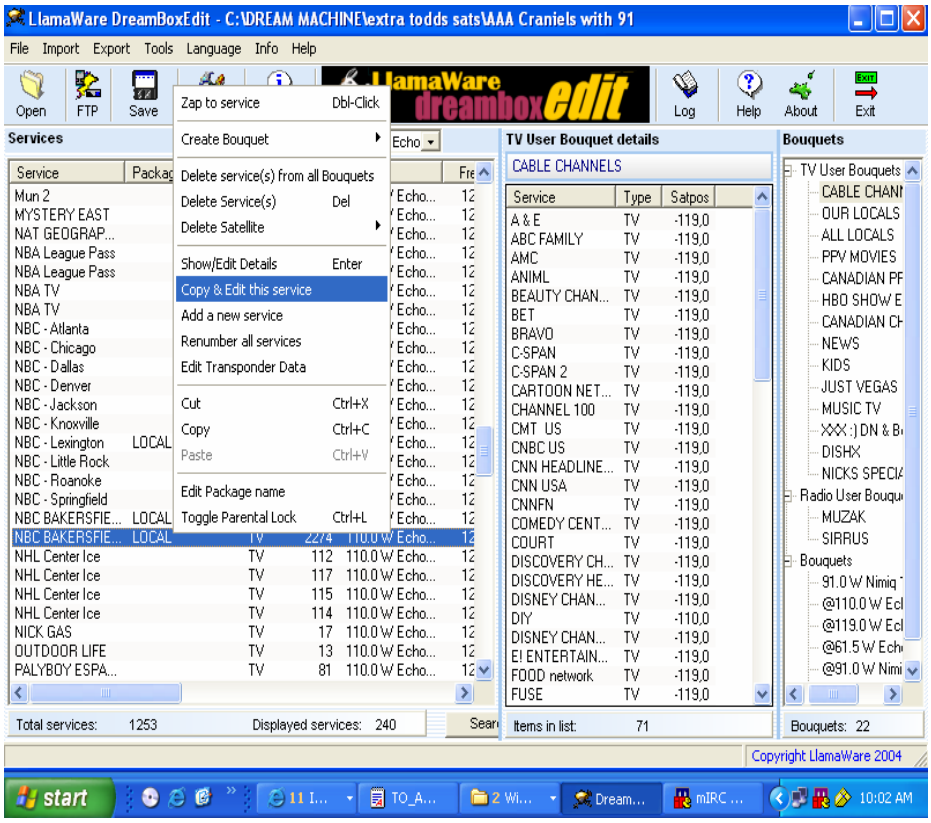
    h. Choose 5/6 for “FEC”.
    i. Enter “Name” as “NBC BAKERSFIELD”.
    j. “Package” can be named anything you want like “Locals”.

k. Enter “1” for TV at “Service Type”.
l. Enter “7302” for “Service ID”.
m. Leave “Number” alone.
n. Now go back up and click “Calculate Namespace”.
o. Click “Add” and you are done.
p. The PIDs are for adding AC3 or Dolby Sound. There is more in the forum about Dolby sound.

16. Click “Save”.
17. Now send this new list to your DreamBox by using DreamBoxEdit as described in Section 7. (Click “FTP” and then “Send Files to DreamBox”and then “Reload”.

Adding Additional Services to the Same Transponder and Satellite

1. If we want to add another service from transponder 2 with TID of 242 like FOX Bakersfield we would highlight NBC Bakersfield.
2. Right click on NBC Bakersfield and select “Copy & Edit this service”.



3. Now just enter the correct name and SID for the new service.
4. Click “Add” and you are done with this service.

Section 12

NFS Drives and Recording

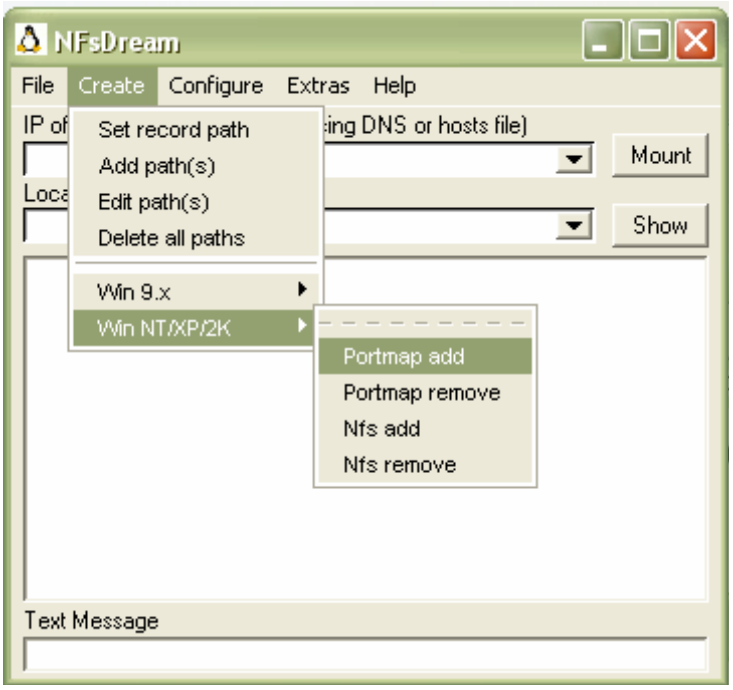
An NFS Drive will allow you to record movies on any drive that you configure on your network. There is no need to install a hard drive in your DreamBox if you use this technique.

Software needed:

1. NFSDream 1.05 to make the NFS install easier. You can do it manually.
2. TrueGrid NFS 1.1

Tip:

- If you make a mistake installing NFS you will need to Delete all paths, Portmap remove, and NFS remove. You will need to delete any files in the “etc” folder that you make in the Windows root directory and delete the “Movie” folder that was made on your target drive. Reboot your computer and start over with the directions below.



Configuring Your PC

1. Download NFSDream and TueGrid NFS 1.1. It can be found on our forum as well as other places.
2. Extract the NFSDream file to a folder.
3. Create a new folder within the folder you extracted the NFSDream file to called nfs.
4. Extract the TrueGrid NFS server files to the folder you created called nfs.

Example: 

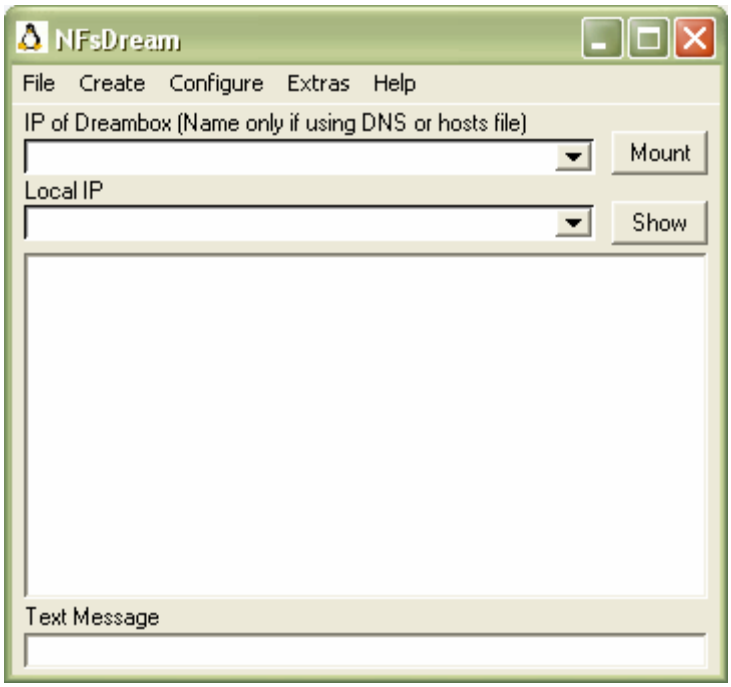
5. Create a folder in your Systemroot directory called ‘etc’. Your Systemroot directory is where you have installed your operating system, for example, Windows or Winnt. (NFSDream will use this folder to copy two files, exports and rpc, later on in the process.)

    a. You can do this easily by opening a Command (DOS) prompt and typing the following:

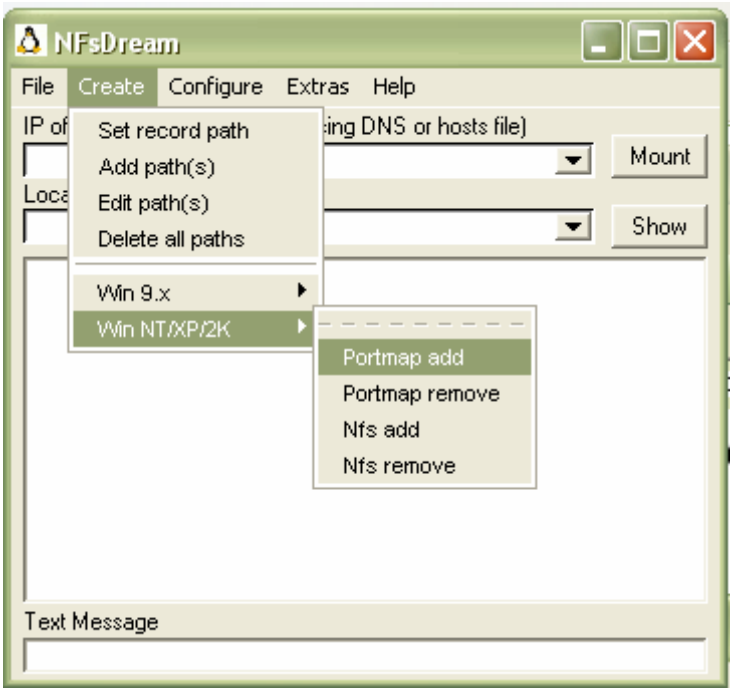
        1. ‘cd %systemroot%’
        2. ‘md etc’

    b. Or you can use regular Windows commands to make this new folder.

6. Start NFSDream by double clicking on the NFSDream icon and you will see this screen.



7. Select “Create” then “Win NT/XP/2K” then “Portmap Add” and then Create” again, then “Win NT/XP/2K” and finally “Nfs Add”.

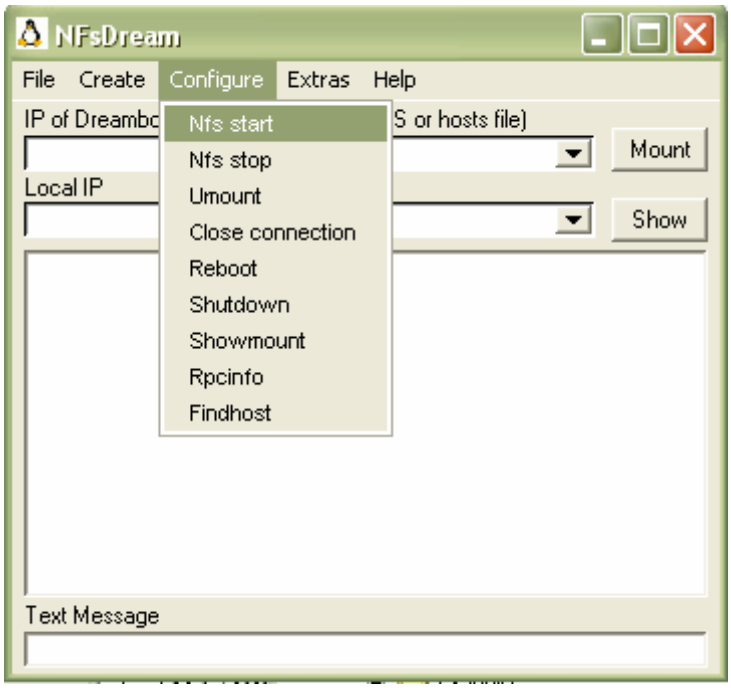


8. “Create” then “Set record path” and browse to the drive and folder where you plan to mount the NFS Drive.

When you do this, you are telling the NFS server to publish a share called /dreambox which is actually pointing to the folder you selected.

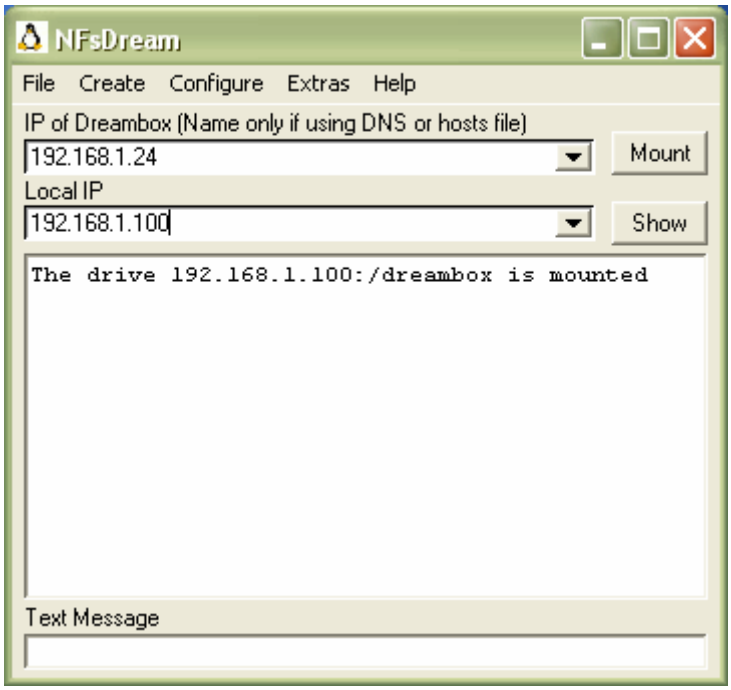
You will also notice there is a new folder within the location you chose called “movie”. This is where all recordings will be stored. Do not delete this folder.

9. Select “Configure” and then “Nfs start”. Don’t worry if you see the message “nfs service is (already) started”. This is normal.



10. In the top line box, labeled “IP of Dreambox" enter the IP address of your DreamBox.

11. In the next line box down, enter the IP address of the machine where NFSDream is installed.



12. Once both fields have been populated, press the "Mount" button.

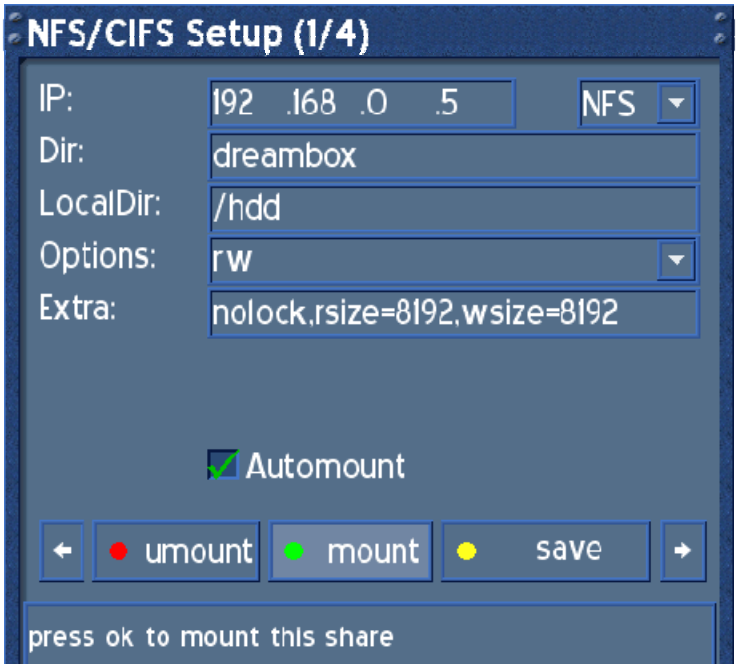
Configuring your DreamBox

There are three methods for configuring your DreamBox: One using the DreamBox remote, another using FlashWizard Pro 5.0 and a third using an init file but all methods require setting up NFS. I will discuss the first two here.

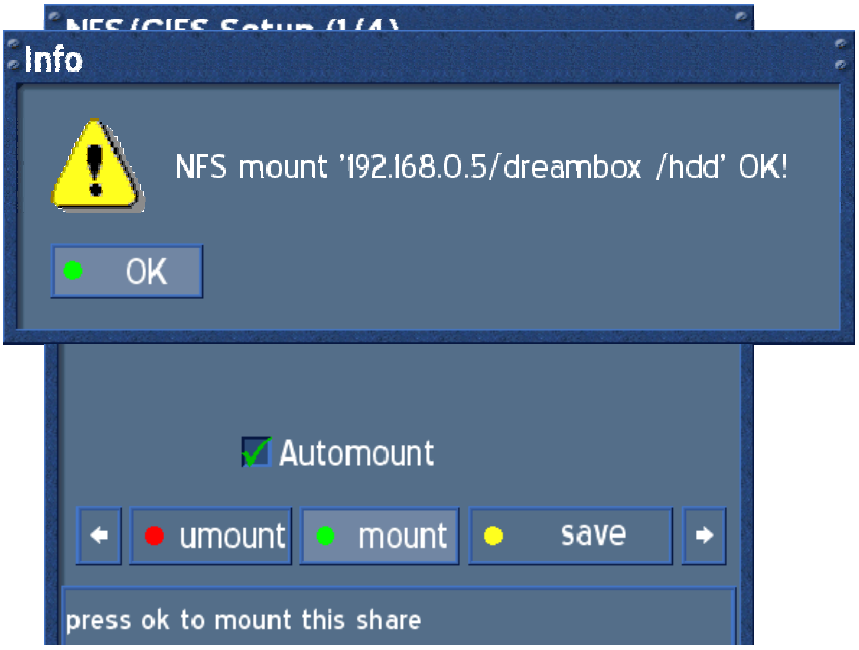
1. Press "MENU" on the remote and go to Settings then down to "Expert Setup" and then to "Communication Setup". Press the **Blue** button on the remote to select "mounts".

2. Enter the following information:
   a. The IP of the PC housing the NFS drive in the "IP:" box.
   b. Make sure "NFS" is showing in the drop down box.
   c. "dreambox" in the "Dir:" box.
   d. "/hdd" in the "LocalDir:" box
   e. Leave "rw" in the "Options:" box.
   f. Don't change the value in the "Extra" box.

g. Make sure “Automount” is checked.



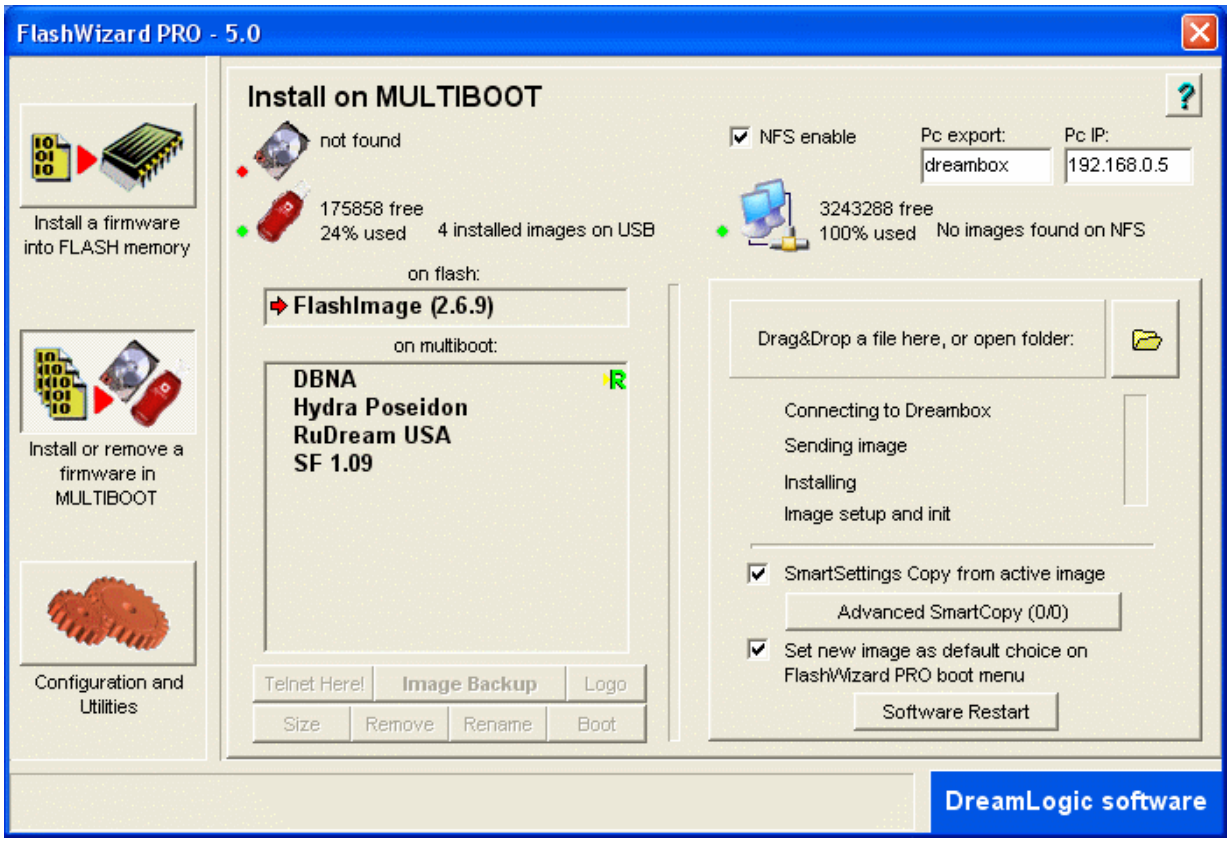
h. Press the **Green** button on the remote to mount the drive.



i. Press the **Yellow** button to save the mount.

New alternative method using FlashWizard Pro 5.0:

1. Start FlashWizard Pro 5.0.
2. Click on “Install or remove a firmware in MULTIBOOT”.
3. Type “ dreambox” in the “Pc export:” blank.
4. Type the IP of your PC in the “Pc IP:” blank. Ie. 192.168.0.5 for me.
5. Click the NFS enable box and it will tell you if you are successful.
6. YOU STILL HAVE TO SUCCESSFULLY INSTALL NFS before doing this!



To make a recording:

1. Press the “VIDEO” button on the remote.
2. Then press the “RADIO” button with the red dot under it to identify its secondary function.
3. The additional buttons in the same location will control tasks such as Stop, Play, Rewind and Fast Forward. Just match them up with the controls on the image below.

Section 13

EMUs and Encryption

The emu plugins allow the decryption of encrypted channels such as DISH Network and Bell ExpressVu. These two use Nagra 1 and Nagra 2 encryption technology. Nagra 2 is not publicly hacked.

Commonly used emu plugins are:

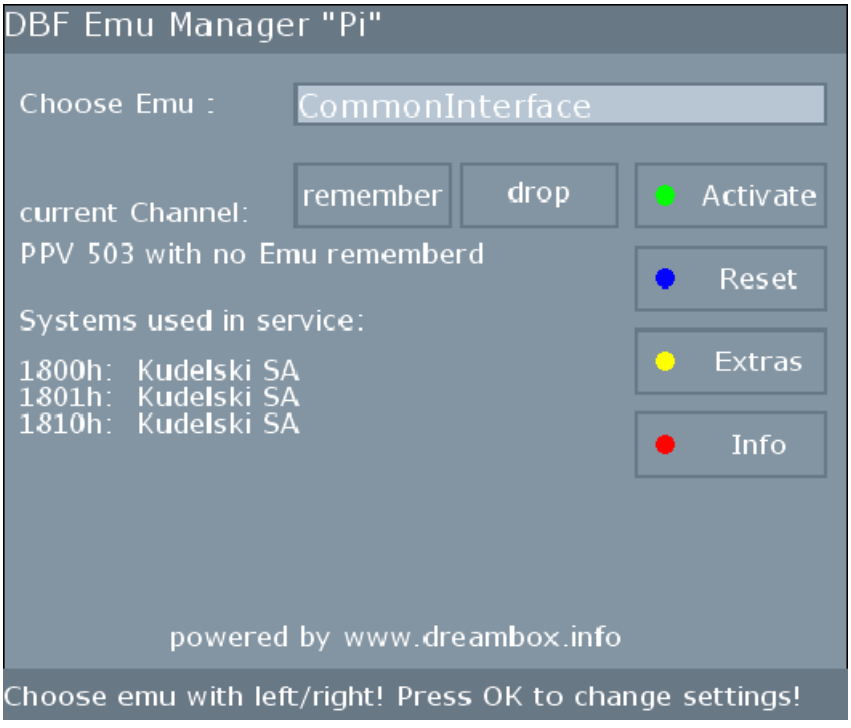
- Radegast
- Evocamd (Only 5.5 and higher is autoupdating keys now.)
- Newcamd (Only 6.01 is Autoupdating keys now.)
- SCAM
- CAMD3
- CAMX

Keys are never included with an image. The key requirements are different for different emu's.

Radegast uses only **SoftCam.Key** and **AutoRoll.Key.**
Evocamd uses four files in the "/var/keys" folder and three files in the "/var/scce" folder.
Newcamd uses ten files in the "/var/tuxbox/scce" folder not "/var/scce" and none in the "/var/keys" folder. You can include all 13 nagra files and the other 3 key files if you would like.

You must select the Emu while in the TV mode trying to watch a channel if using the Pi images. (DBNA comes with Newcamd in the latest images and evocamd in the earlier images. There is only one emu in the DBNA images so no Emu Manager is included.)

Press the **Blue** button to select the Emu Manager.



Highlight the Emu box and select the Emu of your choice and press the **Green** button to activate it. You may remember different Emus per channel or bouquet.

Section 14

Scanning Satellites

You will need to scan any satellite of interest that is not listing in the DB Nation Service List. Any information about a specific satellite contained in a service list will be deleted and replaced by your scan of that same satellite.

Tip: Current images will not scan DISH at all and scan Bell ExpressVu poorly. Use the DB Nation Service List if possible.

Procedure:

1. Press the "Menu" button to bring up the toolbar at the bottom of the screen. Look for the setup icon  (gears) and press OK. Go to "Service Searching" then "Automatic Transponder Scan".
2. Scroll down to "Network" and select you satellite of interest from the drop down menu.
3. Press the **Green** button or the down arrow button to the "start scan" box and begin the scan.
4. Press the "Exit" button on the remote when the scan is done and it will ask if you want to "scan another Satellite". Press the **Green** button or the "OK" button scan another. Press the **Red** button or the right arrow button to the "No" box to end scanning.

Section 15

Primer On Skins

Skins are templates that control the look of your DreamBox's screen.

There are simple skins without folder icons.

There are more advanced skins with folders filled with (*.png) pictures.

Some skins have the tendency to clip the bottom of the image because most of the skins available are for PAL images and settings. It's as though the display should be shifted up slightly.

Changing Skins

A simple search will find many skins for you. These two links have a large assortment of skins with which you can play.

http://dreambox-skins.de.vu/

There should be a **read me** file in your downloads to help you place the skin files on your DreamBox appropriately.

Example: Installing Surfer Dream 2 NTSC Skin

1. Download the skin.
2. Start DCC and FTP all the files to your DreamBox as follows:
   a. Copy the **surfer2** folder to:

      /var/tuxbox/config/enigma/pictures/

   b. Copy the contents of the **Extra Pictures** folder to:

      /var/tuxbox/config/enigma/pictures/

   c. Copy **surfer3.emsl** and **surfer3.info** to:

      /var/tuxbox/config/enigma/skins/

   d. Copy the contents of the **fonts** folder to:

      /var/tuxbox/config/enigma/fonts/

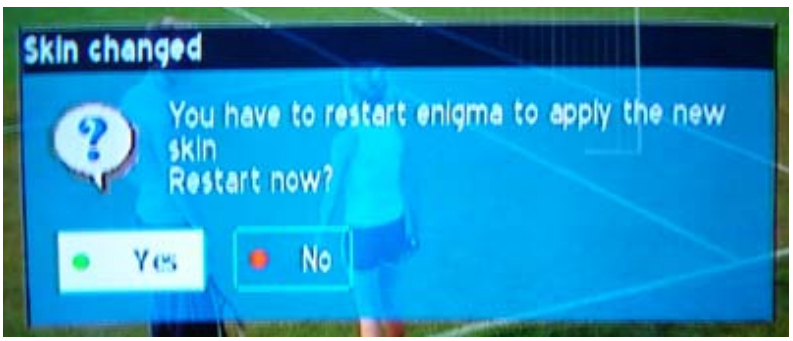
3. Press the small **Dream** button on your DreamBox remote or the **Menu** button and select **Settings** then select the **System Settings** option:

4. Select OSD Settings:

5. Go to the **Change skin** box and press **OK**:

6. Select **Surfer Dream** skin and press **OK**:

7. Now restart the DreamBox as prompted:

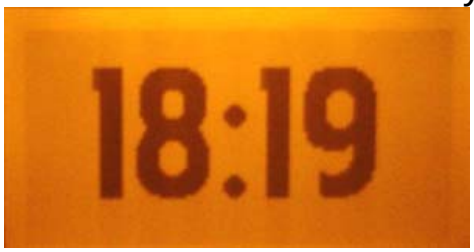


8. Congratulations, you have installed the Surfer Dream 2 NTSC skin. Your screens should look like these:

9. You will also notice that your DreamBox's LCD will appear differently:

DreamBox is On

DreamBox is on Standby

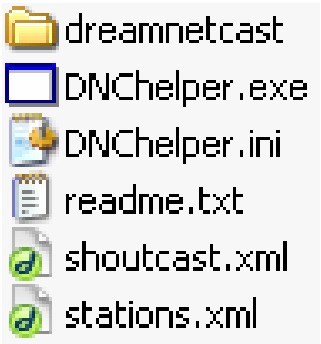


10. You will also notice that the **Dream Menu** looks a bit different:

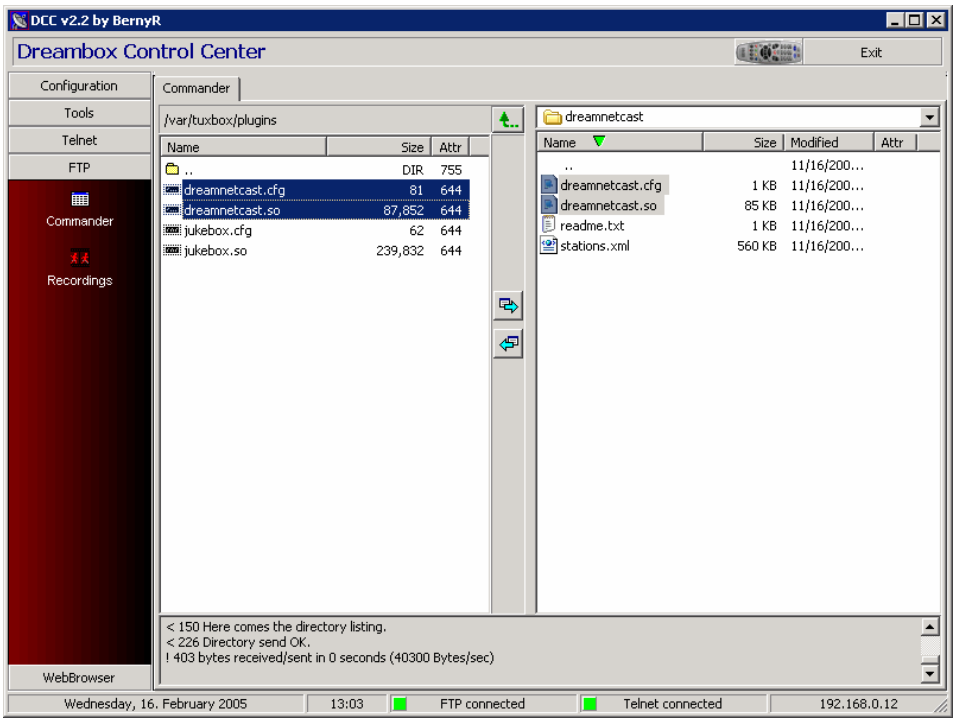
Section 16

DreamNetCast Internet Radio

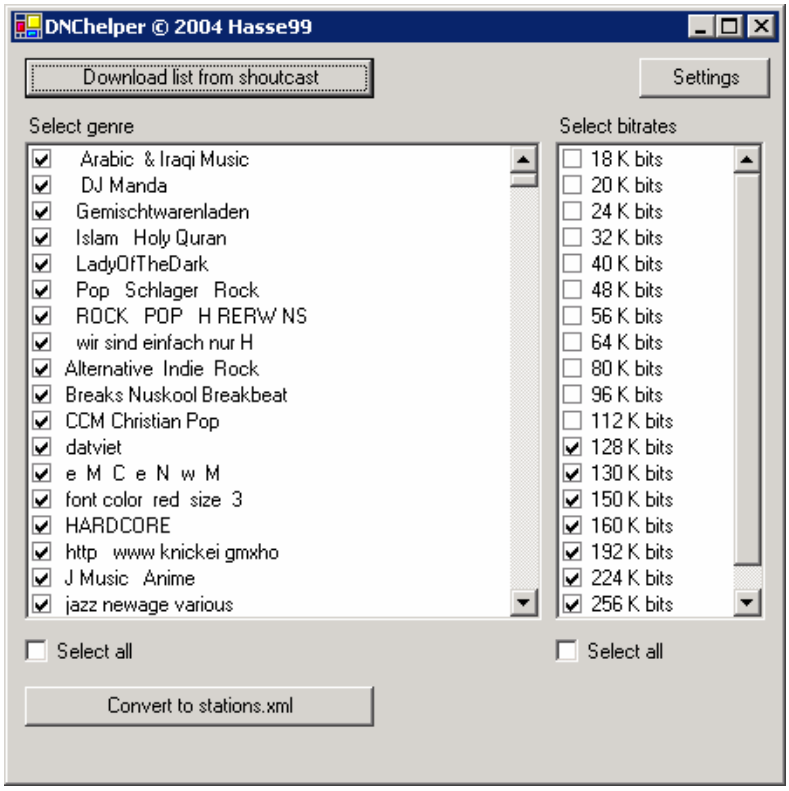
1. Download the plugin. (The Pi2 image already contains it.)
2. This ZIP file contains the actual DreamNetCast 1.0 plugin for your DreamBox and the DNC Helper application that needs to be installed on your PC.



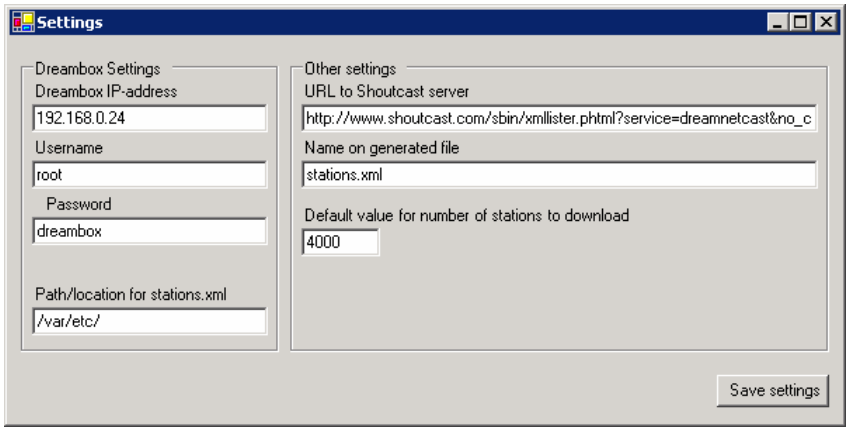
3. Start DCC and ftp the DreamNetCast plugin files from the **dreamnetcast** folder on your PC to your DreamBox's **/var/tuxbox/plugins** folder:



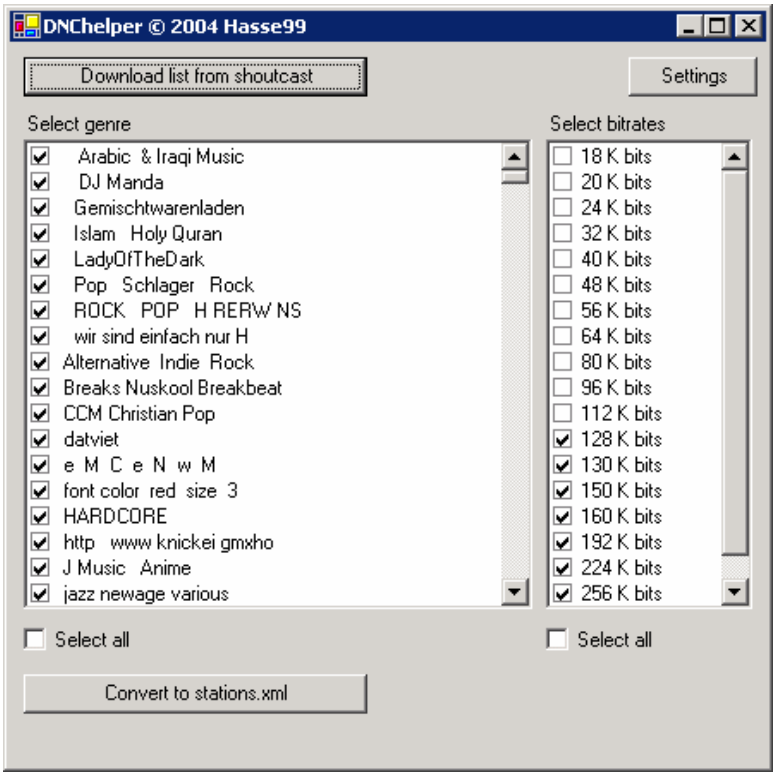
4. Now launch the **DNCHelper.exe** file on your PC:



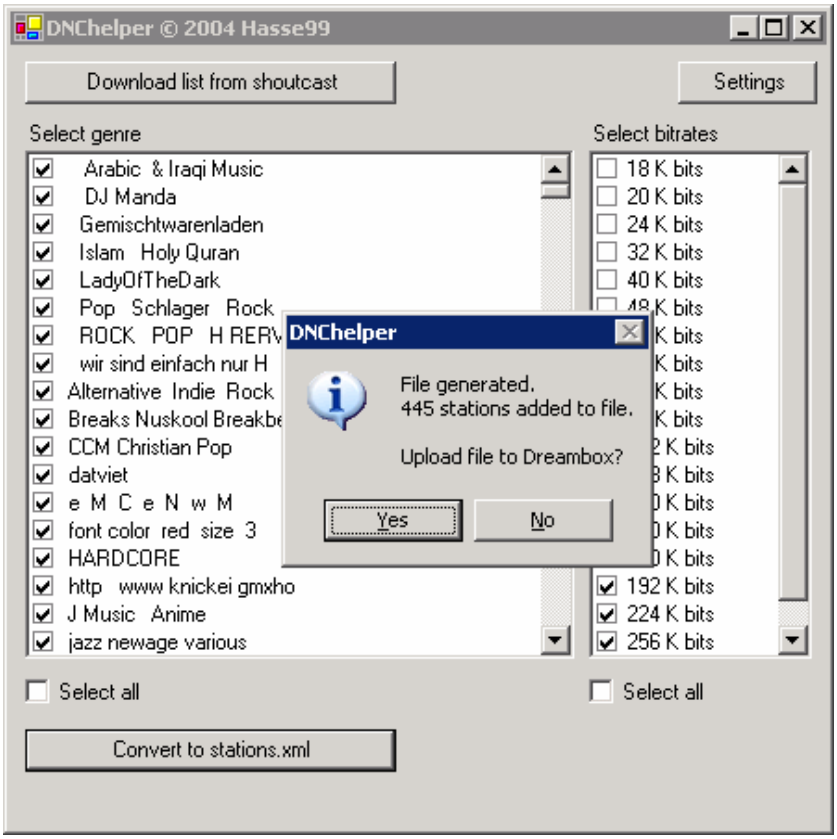
5. Verify and correct the settings to match those on your DreamBox (IP, Username, and Password):



6. Save settings and hit the **Download list from shoutcast** button:



7. Select which stations you like and hit the **Convert to stations.xml** button:

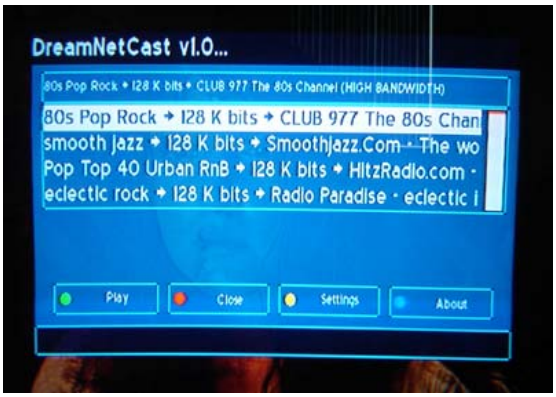


8. Click the Yes button when prompted if you want to upload the file to DreamBox. It will be placed in the ***/var/etc*** folder.

NOTE: Depending on which image you're using, there may be a **stations.xml** symbolic link located in the above folder, if that's the case, please delete it before uploading the **stations.xml** file.

9. Now hit the **Yellow** button on your DreamBox remote control and select the **DreamNetCast** plugin from the list:

10. Select desired station and hit the **Green** button or scroll to the **Play** button and press **OK**:

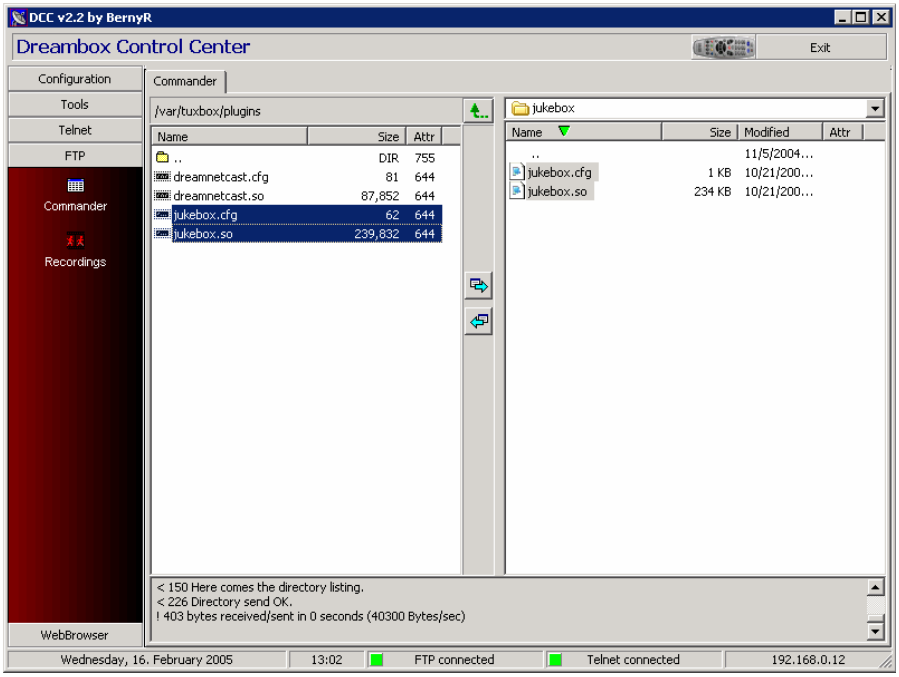


11. Enjoy the music.

NOTE: If you're using the DBF Pi image, there is no need to install this plugin as it is already included in the image. To start the DreamNetCast plugin just hold the AUDIO button on your remot control.

JukeBox

1. Download the plugin. You can install from the Addon menu in th Pi2 images.
2. Start DCC and FTP the plugin files from the jukebox folder on your PC to your DreamBox's **/var/tuxbox/plugins** folder:



3. Now hit the **Yellow** button on your DreamBox's remote control and select the **Jukebox** plugin from the list:

4. Navigate to your MP3 folder stored on either a Hard Drive or on a NFS share and hit the **OK** or **Play** button (you may also use the color buttons shuffle the order of playback):

5. Enjoy the music.

NOTE: If you're using the DBF Pi image, there is no need to install this plugin to play MP3 files. This image does not have the channel audio overt the MP3 audio problem anymore. Just go into FILE MODE, select your MP3 and hit OK/PLAY.

Section 18

BitControl Streaming

BitControl is a fantastic program designed to stream whatever is playing on your DreamBox to your PC. This program is not freeware and I recommend that you try it then buy it. I personally want to support those who write great programs for us.

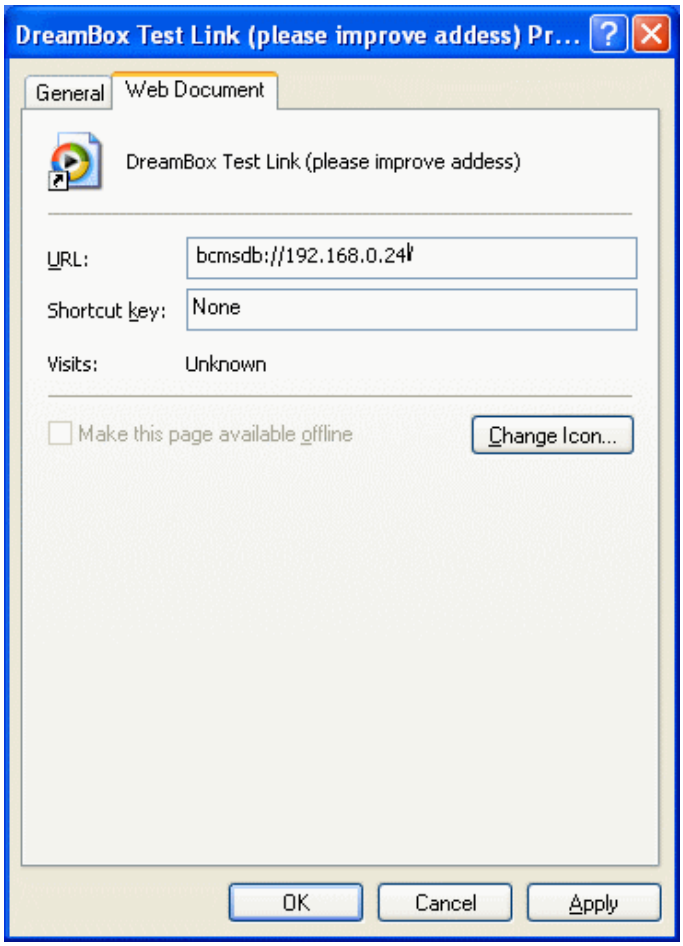
1. Download a trial version from http://bitcontrol.com/download/download.shtml.

2. Select "**bitcontrol® Dreambox Bundle 2.0 (d-Box II compatible)"** Trial Version.

a. Double click on icon that was downloaded and install.

b. Find the new icon:

c. Right click on this icon and select "Properties" to change the IP address to yours and select "OK".



6. Now double click on the icon and Windows Media Player will pop up with the streaming from your DreamBox.

Section 19

Links

Excellent links for downloads:

1. http://www.dbnation.tv
2. http://www.dreamboxfornewbies.org
3. http://www.digsat.net
4. http://www.olmi.cz/dreambox
5. http://dreambox.sjerom.com/
6. http://www.dreamboxworld.com

Excellent English Forum links:

1. http://www.dbnation.tv
2. http://www.digsat.net/
3. http://sat-industry.net/

Official Dream Multimedia Website

http://www.dream-multimedia-tv.de/

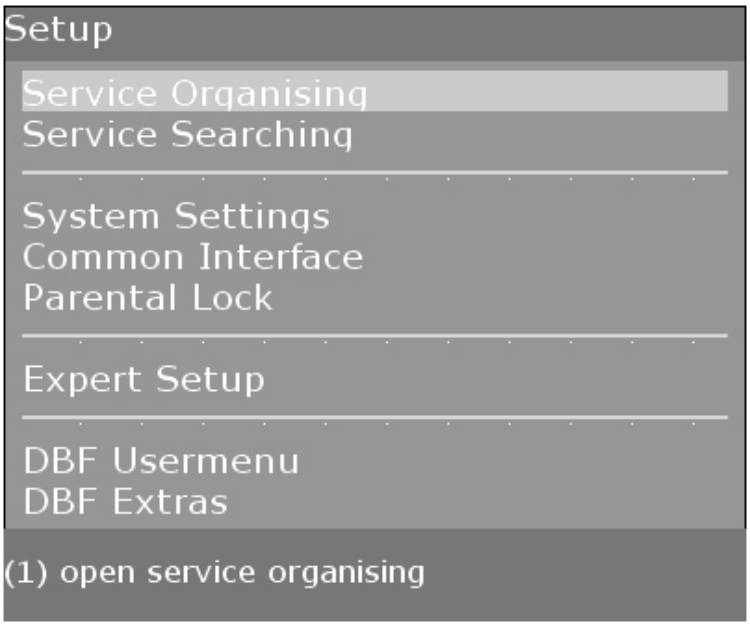
Addendum

DBF Pi Addendum

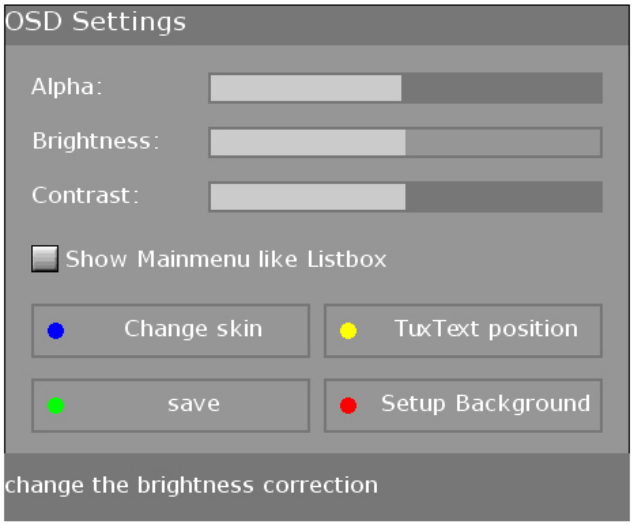
The DBF Pi image has become very popular so I am adding it's use as an addendum. Explanation of it's menus can be found in /var/docs after you have flashed the image.

This is the appearance of the Menu:

You can change your skin to SimpleSpace NTSC 16:9 or 4:3 by going to Setup and then System Settings.



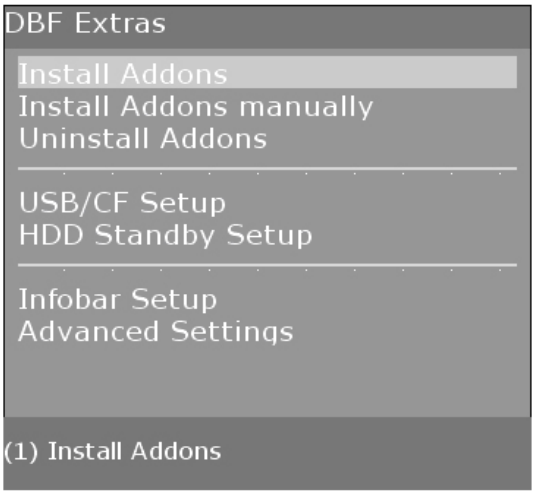
Go to OSD Settings to select one of the SimpleSpace NTSC skins.



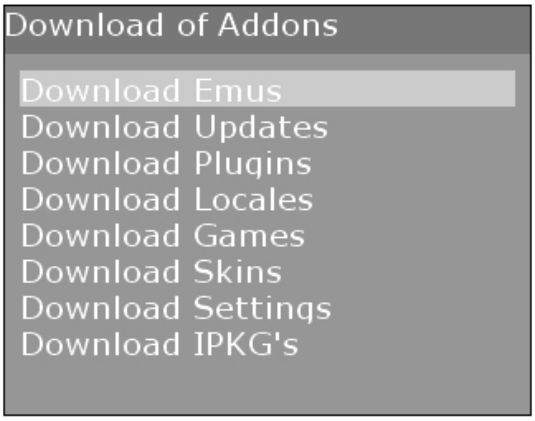
Most plugins and addons can be installed automatically from DBF Extras.

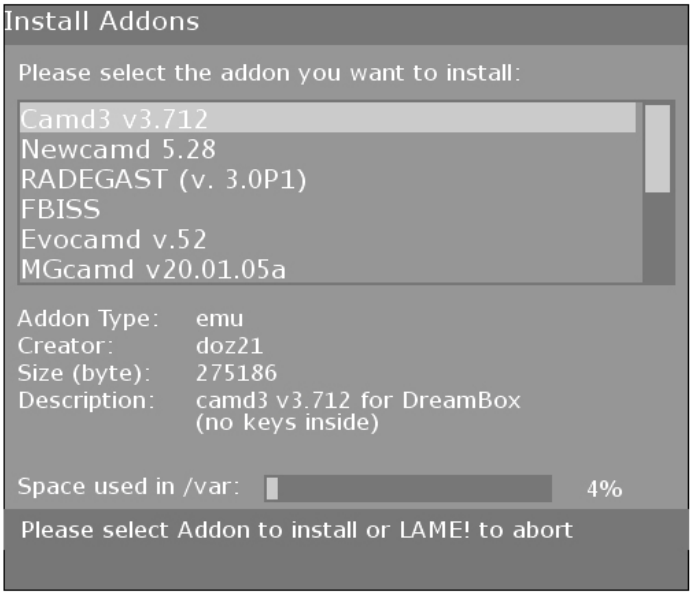
Go to Menu and select DBF Extras:

Select Install Addons:



Select the Addon of your choice including emus:

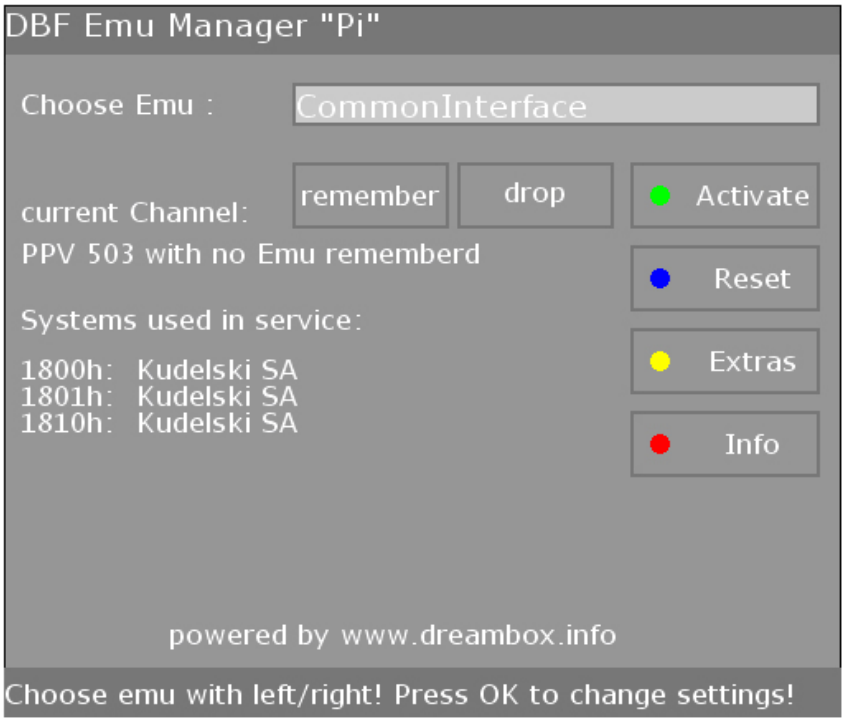




The DBF Pi image allows you to select between different Emus so you must select an Emu or it will stay on the CommonInterface default.

You must also select the Emu while in the TV mode trying to watch a channel.

Press the **Blue** button to select the Emu Manager:



Highlight the Emu box and select the Emu of your choice and press the **Green** button to activate it. You may remember different Emus per channel of bouquet.

Alternative: You can install these emus manually with the "Install Addons manually" section above by downloading the Pi Softcam file from http://www.dbnation.tv/showthread.php?t=19. This is necessary only when the Pi image server is down or not updated.

Note: To install Newcamd 6.01 right now you will need to FTP 2 files to the DreamBox with DCC send.

1. Download Newcamd 6.01 from www.dreamboxworld.com and unzip.
2. Browse to the Newcamd\libcamdio\dreambox folder where you unzipped the download on your PC and FTP “libcamdio.so.0” to /var/lib on your DreamBox. Do the same with libcrypto.so.0.9.7 which can be found on your PC in Newcamd\libcrypto\ppc.
3. Be sure to overwrite the key files found in /var/tuxbox/scce with new keys or Newcamd will not work.

DreamNetCast can be activated by holding down the “Video” button.